

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Southwest</b>				
<b>FREMONT COUNTY --- 1.0 N BARTLETT [40.89, -95.78], 1.9 WSW PERCIVAL [40.74, -95.83], 2.4 S PAYNE [40.64, -95.74], 4.9 S PAYNE [40.60, -95.75], 5.4 SSW PAYNE [40.60, -95.79], 6.0 SW PERCIVAL [40.70, -95.89], 6.4 WSW MC PAUL [40.79, -95.91], 4.1 WNW BARTLETT [40.91, -95.85]</b>				
	06/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	06/02/08 20:30 CST		0	Source: Official NWS Observations
This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth, Nebraska, downstream through Rulo, Nebraska, which is in extreme southeast Richardson county. Although those points are in Nebraska, the flooding affected the Iowa side of the river as well. Flooding along the Missouri River in Fremont county from this event began during the late afternoon hours of May 30th. The river at Nebraska City crested just over 21 feet at 1115am CDT on June 1, flood stage is 18 feet. The flooding continued into the evening hours of June 2nd. The flooding affected mainly agricultural lowlands but also flooded a few county roads in the area, especially near the confluence with the Nishnabotna River near Hamburg which was also running high.				
<b>MILLS COUNTY --- 3.7 W PACIFIC CITY [41.05, -95.89], 4.4 SW PACIFIC CITY [41.01, -95.88], 4.0 SW PACIFIC JCT [40.97, -95.85], 7.7 SSW PACIFIC JCT [40.92, -95.85], 6.9 W TABOR [40.91, -95.80], 2.6 SSW PACIFIC JCT [40.99, -95.82], 1.8 WNW PACIFIC CITY [41.06, -95.85]</b>				
	06/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	06/02/08 03:30 CST		0	Source: Official NWS Observations
This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth, Nebraska, downstream through Rulo, Nebraska, which is in extreme southeast Richardson county. Although those sites are in Nebraska, the flooding affected the Iowa side of the river also. The river stage at Plattsmouth reached a 30 foot crest around 10 am CDT on May 31st, flood stage is 26 feet. This flooding event lasted into the early morning hours of June 2nd. The flooding affected mainly agricultural lowlands.				
<b>Heavy rain producing thunderstorms that hit southwest Iowa during the last week of May caused river flooding that in some cases started in late May and carried over into early June.</b>				
<b>HARRISON COUNTY --- 2.1 N RIVER SIOUX [41.83, -96.05]</b>				
	06/03/08 03:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/03/08 03:00 CST		0	Source: COOP Observer
A Cooperative Observer estimated thunderstorm winds gusted to 60 mph.				
<b>HARRISON COUNTY --- 0.7 S MONDAMIN [41.71, -96.02]</b>				
	06/03/08 03:01 CST		0	Thunderstorm Wind (EG 52 kt)
	06/03/08 03:01 CST		0	Source: Law Enforcement
Local law enforcement estimated thunderstorm wind gusts of 60 mph in the vicinity.				
<b>POTTAWATTAMIE COUNTY --- 1.0 W WALNUT [41.48, -95.22]</b>				
	06/03/08 03:10 CST		0	Hail (1.00 in)
	06/03/08 03:15 CST		0	Source: Trained Spotter
Hail up to 1 inch in diameter fell for about 5 minutes in Walnut.				
<b>FREMONT COUNTY --- 0.5 W FARRAGUT [40.72, -95.48]</b>				
	06/03/08 05:10 CST		0	Hail (0.88 in)
	06/03/08 05:10 CST		0	Source: Trained Spotter
<b>Early morning severe thunderstorms developed north of a stalled frontal boundary and low pressure system that extended from north central Kansas into southern Iowa.</b>				
<b>PAGE COUNTY --- 4.0 E CLARINDA [40.73, -94.95]</b>				
	06/03/08 17:10 CST		0	Hail (0.88 in)
	06/03/08 17:10 CST		0	Source: Public
<b>An isolated severe thunderstorm developed over far southwest Iowa during the early evening of June 3. The thunderstorm developed near a stationary front in the area.</b>				
<b>MILLS COUNTY --- 3.5 S PACIFIC JCT [40.97, -95.80]</b>				

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	06/04/08 16:40 CST		0	Hail (1.00 in)
	06/04/08 16:40 CST		0	Source: Trained Spotter
<b>MILLS COUNTY --- 5.7 S PACIFIC JCT [40.94, -95.81], 0.9 SSE PACIFIC JCT [41.01, -95.80]</b>				
	06/04/08 17:04 CST		0	Tornado (EF1, L: 4.80 mi , W: 220 yd)
	06/04/08 17:15 CST		0	Source: Trained Spotter
A tornado touched down 5 miles south southeast of Pacific Jct and tracked to 1/2 mile south of town. The tornado caused scattered tree and farm outbuilding damage along its track.				
<b>MILLS COUNTY --- 1.6 E GLENWOOD [41.05, -95.74]</b>				
	06/04/08 17:20 CST		0	Hail (1.75 in)
	06/04/08 17:20 CST		0	Source: Trained Spotter
<b>MILLS COUNTY --- 1.4 S EMERSON [41.00, -95.40], 2.0 ENE STRAHAN [40.96, -95.49]</b>				
	06/04/08 17:50 CST		0	Tornado (EF1, L: 5.13 mi , W: 440 yd)
	06/04/08 18:05 CST		0	Source: Law Enforcement
This tornado tracked from 5 miles southwest of Emerson to 1 mile south of town. The tornado caused significant damage to an acreage about 2 miles south of Emerson. Siding and part of the roof were torn from a house, and windows were broken with large limbs and branches strewn about. Two barns and a machine shed were also destroyed. Other tree and farm outbuilding damage was noted along the tornadoes path.				
<b>MILLS COUNTY --- EMERSON [41.02, -95.40]</b>				
	06/04/08 17:52 CST		0	Hail (0.88 in)
	06/04/08 17:52 CST		0	Source: Trained Spotter
<b>MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]</b>				
	06/04/08 18:28 CST		0	Thunderstorm Wind (EG 55 kt)
	06/04/08 18:28 CST		0	Source: Emergency Manager
Emergency management estimated thunderstorm wind gusts in excess of 60 mph.				
<b>MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]</b>				
	06/04/08 18:30 CST		0	Hail (0.75 in)
	06/04/08 18:30 CST		0	Source: Amateur Radio
<b>MONTGOMERY COUNTY --- 1.0 E STANTON [40.98, -95.10]</b>				
	06/04/08 18:50 CST		0	Hail (1.75 in)
	06/04/08 18:50 CST		0	Source: Law Enforcement
<b>MONTGOMERY COUNTY --- VILLISCA [40.93, -95.00]</b>				
	06/04/08 19:08 CST		0	Thunderstorm Wind (EG 55 kt)
	06/04/08 19:08 CST		0	Source: Newspaper
Four train cars were derailed near Villisca due to thunderstorm wind gusts estimated at over 60 mph.				
<b>MILLS COUNTY --- 2.3 SSE HASTINGS [40.99, -95.50]</b>				
	06/04/08 19:43 CST		0	Thunderstorm Wind (EG 55 kt)
	06/04/08 19:43 CST		0	Source: Amateur Radio
Thunderstorm winds estimated at over 60 mph ripped the siding off of a house and blew a car trailer on top of a pickup truck.				
<b>MILLS COUNTY --- 2.6 E GLENWOOD [41.05, -95.72]</b>				
	06/04/08 20:10 CST		0	Hail (0.75 in)
	06/04/08 20:10 CST		0	Source: Amateur Radio
<b>MONONA COUNTY --- 4.9 SSE CASTANA [42.02, -95.87]</b>				
	06/04/08 21:30 CST		0	Hail (1.50 in)
	06/04/08 21:30 CST		0	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MONTGOMERY COUNTY --- 2.8 S TENVILLE [40.98, -95.01]</b>				
	06/04/08 23:40 CST		0	Hail (1.00 in)
	06/04/08 23:40 CST		0	Source: Trained Spotter
Accompanied by 50 to 60 mph winds.				
<b>MONTGOMERY COUNTY --- 1.2 NNW STENNETT [41.09, -95.21], 0.8 NNW RED OAK MUNI ARPT [41.03, -95.26], 1.9 SSW COBURG [40.90, -95.30], 1.6 SSE COBURG [40.90, -95.26], 0.4 NE STENNETT [41.08, -95.20]</b>				
	06/05/08 00:15 CST		0	Flood (due to Heavy Rain)
	06/05/08 15:30 CST		0	Source: Official NWS Observations
Rainfall of 3 to 5 inches fell over much of southwest Iowa during the late afternoon and overnight hours of June 4th and 5th. The heavy rain caused the East Nishnabotna River to flood in Montgomery county. The river at Red Oak crested at 21.9 feet around 845 am CDT on June 5th. Flood stage is 18 feet. The river at Red Oak was above flood stage from around 115 am until 430 pm on June 5th. The flooding closed several county roads and flooded agricultural lowlands.				
<b>PAGE COUNTY --- 3.8 N ESSEX [40.89, -95.30], 2.8 W NYMAN [40.88, -95.25], 1.6 E SHENANDOAH MUNI ARPT [40.75, -95.39], 2.0 NNW SHENANDOAH [40.80, -95.39]</b>				
	06/05/08 00:15 CST		0.80M	Flood (due to Heavy Rain)
	06/05/08 15:30 CST		0	Source: Official NWS Observations
Rainfall of 3 to 5 inches fell over much of southwest Iowa during the late afternoon and overnight hours of June 4th and 5th. The heavy rain caused the East Nishnabotna River to flood northwest Page county. The river at Red Oak, which is just upstream in Montgomery county, crested at 21.9 feet around 845 am CDT on June 5th. Flood stage is 18 feet. The river at Red Oak was above flood stage from around 115 am until 430 pm on June 5th. The flooding in Page county damaged crop land and levees along the river, flooded a park and some basements in Shenandoah and took out a county road and bridge. The flooding also prompted the evacuation of a mobile home park in Shenandoah.				
<b>PAGE COUNTY --- 0.9 NW CLARINDA [40.74, -95.04]</b>				
	06/05/08 00:20 CST		0	Hail (0.88 in)
	06/05/08 00:20 CST		0	Source: Law Enforcement
<b>FREMONT COUNTY --- 2.1 NNW RANDOLPH [40.90, -95.59], 0.5 SSE ANDERSON [40.79, -95.60], 2.1 WNW RIVERTON [40.69, -95.61], 2.8 N HAMBURG [40.64, -95.64], 1.4 WSW RIVERTON [40.67, -95.59], 0.8 SSW RANDOLPH [40.86, -95.57]</b>				
	06/05/08 00:45 CST		0	Flood (due to Heavy Rain)
	06/06/08 06:15 CST		0	Source: Official NWS Observations
Rainfall of 3 to 5 inches fell over much of southwest Iowa during the late afternoon and overnight hours of June 4th and 5th. The heavy rain caused the West Nishnabotna River to flood. The stage at Randolph crested at 23.2 feet at 1245 pm CDT on June 5, flood stage is 19 feet. The river at Randolph was above flood stage from around 145 am on the 5th through 715 am on the 6th. The flooding closed a few county roads but otherwise just affected agricultural lowlands.				
<b>PAGE COUNTY --- 3.9 NNE CLARINDA [40.78, -95.01], 1.1 NNE CLARINDA [40.74, -95.02], 0.9 NNW BRADYVILLE [40.58, -95.04], 1.9 NE BRADYVILLE [40.59, -95.01], 3.2 W HAWLEYVILLE [40.76, -94.98]</b>				
	06/05/08 01:45 CST		0.55M	Flood (due to Heavy Rain)
	06/06/08 20:30 CST		0	Source: Official NWS Observations
Rainfall of 3 to 5 inches during the late afternoon and overnight hours of June 4th and 5th caused the Nodaway River to flood in Page county. The river at Clarinda crested at 26.6 feet at 1015 pm CDT on June 5th, flood stage is 19.0 feet. The river at Clarinda was above flood stage from around 245 am on the 5th until 930 pm on June 6th. The flooding caused the closure of Highway 71 near the Missouri border and several county roads. One bridge sustained major damage as did several of the county roads that were flooded. At least several hundred acres of agricultural land were also flooded. Clarinda lost part of its waste water treatment plant due to flood waters and Bradyville lost its lagoon system and also sustained damage to its wells.				
<b>FREMONT COUNTY --- 3.7 NNE HAMBURG [40.65, -95.63], 2.5 N HAMBURG [40.64, -95.64], 0.2 WNW HAMBURG [40.60, -95.65], 0.6 NNE HAMBURG REIDS ARPT [40.59, -95.65], 1.5 ENE HAMBURG REIDS ARPT [40.59, -95.62], 3.4 SW RIVERTON [40.64, -95.61]</b>				
	06/05/08 02:15 CST		0	Flood (due to Heavy Rain)
	06/18/08 19:15 CST		0	Source: Official NWS Observations

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Heavy rainfall on June 4th over much of southwest Iowa, and subsequent significant rain every few days for the next week or 10 days, pushed the Nishnabotna River out of its banks for a 2 week period beginning around 315 am CDT on June 5 and ending around 815 pm on June 18th. The river at Hamburg reached a 29.3 foot crest at 430 pm on June 14th. Flood stage is 23 feet.				
Federal levees protected the town and most area highways from the flood waters as did the placement of up to 50,000 sandbags on the levee's low areas. However, Highway 275 near Hamburg and many county roads were closed for a time due to flood waters, and agricultural lowlands in the region were flooded. In addition, since both the Missouri and Nishnabotna Rivers were in flood, low areas that normally pumped water into those rivers were unable to do so adding to ponding and additional flooding after each rain.				
<b>FREMONT COUNTY --- 1.2 NNW BARTLETT [40.90, -95.79], 2.9 SSW PERCIVAL [40.71, -95.82], 3.7 W HAMBURG [40.60, -95.72], 5.7 SW PAYNE [40.61, -95.83], 6.2 W PERCIVAL [40.75, -95.92], 4.1 W BARTLETT [40.87, -95.86]</b>				
	06/05/08 04:00 CST	0		Flood (due to Heavy Rain)
	06/15/08 18:30 CST	0		Source: Official NWS Observations
Heavy rain over sections of the Missouri River basin on June 4th through June 8th caused another crest to occur along the Missouri River from near its confluence with the Platte River near Plattsmouth, Nebraska, downstream to near Nebraska City. Although those points are in Nebraska, the flooding also affected farmland on the Iowa side. Flooding along the Missouri River in Fremont county from this crest began during the morning hours of June 5th. The river near Nebraska City eventually reached a crest of around 22.7 feet at 6 am CDT on June 13th. Flood stage is 18 feet. The river finally dropped below flood stage at Nebraska City during the early evening hours of June 15th. Besides flooding agricultural lowlands, some county roads were closed in the area due to flooding, especially near the confluence with the Nishnabotna River which was also in flood.				
<b>MILLS COUNTY --- 3.9 W PACIFIC CITY [41.05, -95.90], 12.0 WSW TABOR [40.81, -95.87], 9.2 WSW TABOR [40.84, -95.82], 6.2 WNW TABOR [40.93, -95.78], 1.4 SW PACIFIC CITY [41.03, -95.84]</b>				
	06/05/08 13:45 CST	0		Flood (due to Heavy Rain)
	06/14/08 11:45 CST	0		Source: Official NWS Observations
Heavy rain over sections of the Missouri River basin on June 4th and 5th caused another crest to occur along the Missouri River from around its confluence with the Platte River near Plattsmouth, Nebraska, downstream to near Nebraska City. Although those points are in Nebraska, the flooding affected farmland on the Iowa side of the Missouri River and also flooded Lincoln's Landing and Mintle's Landing south of the Plattsmouth Bridge. Flooding along the Missouri River in Mills county from this crest began during the mid afternoon hours of June 5th. Although the river briefly dropped below flood stage during the overnight hours of June 7th, additional heavy rains on the 7th and early on the 8th pushed the river back above flood stage. The river near Plattsmouth eventually reached a crest of around 31 feet at 415 pm CDT on June 12th. Flood stage is 26 feet. The river finally dropped below flood stage at Plattsmouth during the afternoon hours of June 14th. Besides the flooding of the recreation areas and agricultural lowlands, a few county roads were also closed near the river.				
<b>A stationary front over Kansas started lifting north on June 4th as an unseasonably strong upper level low pressure system was organizing over the central Rockies. This allowed very warm and unstable air to feed north into southern Nebraska and southwest Iowa during the afternoon on the 4th. Severe thunderstorms developed by afternoon on June 4 over central Nebraska. The activity quickly developed and spread into eastern Nebraska and southwest Iowa through evening. A few tornado producing supercells developed over the area...and many of the storms produced very heavy rain which fell on soils that were saturated from significant rains recorded over the prior week.</b>				
<b>FREMONT COUNTY --- 2.0 WNW PAYNE [40.68, -95.79], 2.1 WNW PAYNE [40.69, -95.78]</b>				
	06/05/08 18:02 CST	0		Tornado (EF0, L: 0.54 mi , W: 50 yd)
	06/05/08 18:04 CST	0		Source: Fire Department/Rescue
A brief tornado touchdown was reported near I-29 and mile marker 10. The tornado was only on the ground a minute or two and caused no apparent damage.				
<b>FREMONT COUNTY --- 4.0 NNE SIDNEY [40.80, -95.62], 1.4 NNW ANDERSON [40.82, -95.61]</b>				
	06/05/08 18:11 CST	0		Tornado (EF0, L: 1.34 mi , W: 50 yd)
	06/05/08 18:13 CST	0		Source: Emergency Manager
A bookend vortex spun up another brief tornado in between Sidney and Randolph. The tornado was only on the ground a minute or two and did no apparent damage. Emergency management spotted this tornado from his office in Sidney and stated that there possibly could have been 2 or 3 funnels or tornadoes from this particular supercell at this time.				
<b>PAGE COUNTY --- 1.9 S ESSEX [40.80, -95.31], 1.0 SSE ESSEX [40.82, -95.29]</b>				
	06/05/08 18:24 CST	0		Tornado (EF0, L: 1.16 mi , W: 80 yd)
	06/05/08 18:26 CST	0		Source: Emergency Manager
A weak tornado caused damage to a barn, garage and other outbuildings on a farmstead southeast of Essex according to emergency management. Tree damage consistent with tornadoes was also noted in the area.				

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<b>MILLS COUNTY --- 2.1 W EMERSON [41.02, -95.44]</b>				
	06/05/08 18:38 CST		0	Thunderstorm Wind (EG 50 kt)
	06/05/08 18:38 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gusts of around 60 mph.				
<b>FREMONT COUNTY --- 2.0 SW FARRAGUT [40.70, -95.50]</b>				
	06/05/08 19:00 CST		0.10M	Lightning
	06/05/08 19:00 CST		0	Source: Newspaper
Lightning apparently struck a house causing a fire that totally destroyed it.				
<p>A warm front and low pressure system over northern Kansas lifted northeast into southeast Nebraska and southwest Iowa as an unseasonably strong upper level low pressure system lifted from the Rockies into the northern plains. Severe storms developed over northeast Nebraska during the morning hours of June 5th and after a brief break in the severe weather, additional severe storms developed over southeast Nebraska and southwest Iowa by early evening. The thunderstorms formed into a bow echo as they moved into southwest Iowa and a bookend type vortex on the north end of the bow echo spun up 2 brief tornadoes with another tornado forming on the bow a bit farther east.</p>				
<b>HARRISON COUNTY --- 3.8 NW MAGNOLIA [41.74, -95.93]</b>				
	06/07/08 17:55 CST		0	Hail (0.88 in)
	06/07/08 17:55 CST		0	Source: Trained Spotter
<b>HARRISON COUNTY --- 2.2 ESE MONDAMIN [41.71, -95.98]</b>				
	06/07/08 18:20 CST		0	Hail (0.88 in)
	06/07/08 18:20 CST		0	Source: Public
<b>HARRISON COUNTY --- 3.5 N MAGNOLIA [41.75, -95.87]</b>				
	06/07/08 20:20 CST		0	Hail (0.75 in)
	06/07/08 20:20 CST		0	Source: Public
<b>MILLS COUNTY --- 0.9 NE MALVERN [41.01, -95.59]</b>				
	06/08/08 02:10 CST		0	Thunderstorm Wind (EG 55 kt)
	06/08/08 02:10 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at over 60 mph downed power lines near Malvern.				
<b>HARRISON COUNTY --- 1.3 NW DUNLAP [41.86, -95.62], 3.0 SW LOGAN [41.61, -95.84], 3.4 S LOGAN [41.60, -95.79], 0.5 SW DUNLAP [41.84, -95.61]</b>				
	06/08/08 04:45 CST		0	Flood (due to Heavy Rain)
	06/09/08 06:15 CST		0	Source: Emergency Manager
<p>Rainfall of 2 to 4 inches across much of Harrison county caused the Boyer river to flood. The flood waters crossed Highway 30 northeast of Logan and in the Woodbine area causing its closure between Logan and Denison. Seven or eight homes in east Logan were flooded, along with a business, the school's athletic field and railroad tracks. Many county roads and agricultural lowlands were also flooded.</p> <p>The Boyer River at Logan crested at 24.8 feet around noon CDT on June 8, flood stage is 19 feet. The river at Logan was above flood stage from around 545 am on June 8 until 715 am on June 9.</p>				
<b>FREMONT COUNTY --- 1.9 NW RANDOLPH [40.89, -95.59], 3.6 WSW RIVERTON [40.66, -95.63], 1.1 W RIVERTON [40.68, -95.59], 1.6 S RANDOLPH [40.85, -95.57], 2.3 NNE RANDOLPH [40.90, -95.56]</b>				
	06/08/08 10:00 CST		0	Flood (due to Heavy Rain)
	06/09/08 20:30 CST		0	Source: Official NWS Observations
<p>Heavy rainfall from the evening and overnight hours of June 7th and June 8 th produced flooding along the West Nishnabotna River in Fremont county for the second time within a week. The river at Randolph crested at 20.5 feet at 245 pm CDT on 6/8, flood stage 19 feet. The river was above flood stage from around 11 am on 6/8 until 930 pm on 6/9.</p> <p>The flooding affected mainly agricultural lowlands.</p> <p>As one unseasonably strong upper level system lifted into Canada another one dropped down behind it over the northern plains causing surface low pressure to develop over northeast Kansas on a cold front that was crossing the plains. This in turn caused the cold front to slow down as it moved into southeast Nebraska and southwest Iowa. A few severe thunderstorms that developed near</p>				

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the cold front crossed into southwest Iowa during the evening hours of June 7th. Additional thunderstorms, a few again severe, that had developed over southeast Nebraska in response to a strong low level jet, moved into southwest Iowa during the early morning hours of June 8th. Before crossing into southwest Iowa this second round of thunderstorms spun up 2 tornadoes in the Omaha area causing substantial damage. However, the activity had weakened somewhat as it crossed the Missouri River.				
<b>MONTGOMERY COUNTY --- 0.8 WNW ELLIOTT [41.16, -95.18], 2.1 WSW STENNETT [41.07, -95.24], 1.0 WNW COBURG [40.92, -95.30], 1.7 NE COBURG [40.94, -95.26], 0.6 SSE STENNETT [41.07, -95.19], 1.0 ENE ELLIOTT [41.15, -95.15]</b>				
	06/08/08 12:45 CST		0	Flood (due to Heavy Rain)
	06/09/08 14:15 CST		0	Source: Official NWS Observations
Heavy rain for the second consecutive day produced flooding along the East Nishnabotna River for the second time within a week. The River at Red Oak crested at 22.7 feet at 515 am CDT on 6/9, flood stage is 18 feet. The river was above its flood stage from around 145 pm CDT on 6/8 until 315 pm on 6/9.				
The flooding affected mainly agricultural lowlands.				
<b>PAGE COUNTY --- 3.8 SW BETHESDA [40.79, -95.15]</b>				
	06/08/08 13:15 CST		0	Hail (0.75 in)
	06/08/08 13:15 CST		0	Source: Public
The storms also dropped 2.1 inches of rain.				
<b>POTTAWATTAMIE COUNTY --- 0.6 WNW AVOCA [41.48, -95.36], 2.3 SW HANCOCK [41.38, -95.40], 3.4 SW OAKLAND [41.28, -95.44], 2.9 SSE OAKLAND [41.28, -95.38], 2.4 NE HANCOCK [41.42, -95.33], 2.0 E AVOCA [41.48, -95.31]</b>				
	06/08/08 13:30 CST		0	Flood (due to Heavy Rain)
	06/09/08 05:15 CST		0	Source: Official NWS Observations
Heavy rain for the second consecutive day produced flooding along the West Nishnabotna River in Pottawattamie county. The river at Hancock crested at 15.8 feet at 745 pm CDT on 6/9, flood stage is 14 feet. The river was above flood stage from around 230 pm on 6/8 until 615 am on 6/9.				
The flooding affected mainly agricultural lowlands.				
<b>PAGE COUNTY --- 3.5 N CLARINDA [40.78, -95.04]</b>				
	06/08/08 13:50 CST		0	Hail (0.88 in)
	06/08/08 13:50 CST		0	Source: Public
<b>PAGE COUNTY --- 1.5 NNE HEPBURN [40.87, -94.99], 0.6 ENE HEPBURN [40.85, -94.99], 1.2 ENE HEPBURN [40.85, -94.98], 2.0 NNE HEPBURN [40.87, -94.98]</b>				
	06/08/08 14:45 CST		0	Flash Flood (due to Heavy Rain)
	06/08/08 16:00 CST		0	Source: Law Enforcement
Rainfall of over 2 inches in an hour or so produced flash flooding across Highway 71 northeast of Hepburn. Yorktown reported 2.1 inches of rain from the storm, with similar type rainfall recorded the previous day. Yorktown is about 7 miles southwest of Hepburn.				
<b>PAGE COUNTY --- 0.6 WNW HEPBURN [40.85, -95.01], 3.6 NNE CLARINDA [40.78, -95.01], 2.4 NNW SHAMBAUGH [40.68, -95.04], 1.9 NNW BRADDYVILLE [40.59, -95.05], 4.6 ESE SHAMBAUGH [40.62, -94.95], 2.6 SSE HEPBURN [40.81, -94.99]</b>				
	06/08/08 16:45 CST		0	Flood (due to Heavy Rain)
	06/09/08 04:30 CST		0	Source: Official NWS Observations
Two consecutive days of heavy rains caused the Nodaway River to flood in Page county for the second time within a week. At Clarinda the Nodaway River crested 20.1 feet at 1115 pm CDT on 6/8, flood stage is 19 feet. The river was above flood stage from around 545 pm on 6/8 until 530 am on 6/9. The flooding affected mainly agricultural lowlands.				
<b>A cold front moved across southwest Iowa as an upper level disturbance tracked across the Dakotas. This helped touch off additional heavy rain producing thunderstorms across southwest Iowa, a few of which produced marginal severe size hail. The rainfall, which fell on top of significant rains over the week prior, also caused additional river flooding across southwest Iowa.</b>				
<b>HARRISON COUNTY --- 2.8 S MAGNOLIA [41.66, -95.87]</b>				
	06/09/08 18:20 CST		0	Hail (0.75 in)
	06/09/08 18:20 CST		0	Source: Trained Spotter
<b>SHELBY COUNTY --- 5.2 E CORLEY [41.58, -95.23]</b>				
	06/09/08 19:40 CST		0	Hail (1.00 in)
	06/09/08 19:40 CST		0	Source: Public

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>HARRISON COUNTY --- 0.7 N LITTLE SIOUX [41.81, -96.03]</b>				
	06/09/08 20:15 CST		0	Hail (0.75 in)
	06/09/08 20:15 CST		0	Source: Trained Spotter
The hail was accompanied by a wind gust of around 55 mph.				
Cool temperatures aloft, courtesy of several upper level disturbances that were tracking across the plains, combined with afternoon heating to produce a few severe thunderstorms across southeast Nebraska and western Iowa.				
<b>POTTAWATTAMIE COUNTY --- 25.5 NNE LOVELAND [41.83, -95.69], 6.5 NW LOVELAND [41.57, -95.98], 3.5 NE LOVELAND [41.53, -95.85], 22.6 N MINDEN [41.79, -95.61]</b>				
	06/11/08 00:30 CST		0	Flood (due to Heavy Rain)
	06/12/08 05:00 CST		0	Source: Official NWS Observations
Thunderstorms dropped heavy rain on the Boyer River basin on June 11th. The heavy rain caused flooding along the Boyer River from around Woodbine to Missouri Valley. The river at Logan crested at 19.7 feet at 215 am CDT on June 12th. Flood stage at Logan is 19 feet. The flooding affected mainly agricultural lowlands in the area.				
<b>HARRISON COUNTY --- 2.8 WNW RIVER SIOUX [41.81, -96.10], 3.6 NNW CALIFORNIA JCT [41.86, -96.02]</b>				
	06/11/08 17:27 CST		0	Tornado (EF2, L: 5.47 mi , W: 440 yd)
	06/11/08 17:36 CST		0	Source: NWS Storm Survey
This is a continuation of the tornado that initially touched down in Burt county Nebraska, about 4.5 miles west of Little Sioux Iowa. The tornado eventually reached EF3 strength in Monona county when it hit a boyscout camp where 4 fatalities and 48 injuries occurred. The tornado crossed into Harrison county near mile marker 97 on Interstate 29 where a semi-truck was flipped. The tornado snapped power poles northeast of there with an estimated strength of EF2 in Harrison county. The tornado then crossed into Monona county Iowa about 4 miles north of Little Sioux.				
<b>HARRISON COUNTY --- 2.1 N RIVER SIOUX [41.83, -96.05]</b>				
	06/11/08 17:30 CST		0	Thunderstorm Wind (EG 55 kt)
	06/11/08 17:30 CST		0	Source: COOP Observer
Thunderstorm wind gusts estimated at over 60 mph knocked down large tree limbs and toppled a dead tree knocking power out to the area.				
<b>MONONA COUNTY --- 5.5 SE BLENCOE [41.86, -96.02], 2.2 SSW MOORHEAD [41.90, -95.88]</b>				
	06/11/08 17:36 CST	4	0	Tornado (EF3, L: 7.49 mi , W: 440 yd)
	06/11/08 17:45 CST	48	0	Source: NWS Storm Survey
This tornado tragically hit a boyscout camp north of Little Sioux Iowa killing 4 young scouts. The tornado initially touched down in Burt county Nebraska, crossed into Harrison county Iowa near mile marker 97 on Interstate 29, and then finally crossed into Monona county Iowa about 4 miles north of Little Sioux. In Monona county the tornado entered the Little Sioux Scout Ranch, destroying the rangers home near the entrance of the park giving it a rating of EF3. The storm then blew down trees and destroyed bunk houses at the camp. Four scouts were killed in one bunk house when a brick chimney collapsed on them. In total 48 people were injured at the camp. The tornado continued to topple trees as it tracked into Preparation Canyon State Park. Just before it entered the park a farmstead sustained damage. The tornado hit another farmstead about 2.5 miles southwest of Moorhead where trees were blown down and sheds damaged. The tornado then began to weaken and finally lifted about 2 miles southwest of Moorhead. The total path length was around 14 miles.				
Direct Fatalities: M14PS, M13PS, M13PS, M14PS				
<b>MONONA COUNTY --- 3.2 SSW MAPLETON [42.13, -95.83], 2.9 SSW MAPLETON [42.13, -95.89]</b>				
	06/11/08 18:20 CST		0	Tornado (EF0, L: 0.26 mi , W: 60 yd)
	06/11/08 18:22 CST		0	Source: Amateur Radio
A brief tornado touched down 6 miles northeast of Castana causing mainly just tree damage.				
<b>POTTAWATTAMIE COUNTY --- 2.0 SW LOVELAND [41.48, -95.93], 0.4 ENE LOVELAND [41.50, -95.89]</b>				
	06/11/08 18:20 CST		0	Tornado (EF1, L: 2.35 mi , W: 40 yd)
	06/11/08 18:22 CST		0	Source: Storm Chaser
According to researchers tracking this storm, who were using DOW - a mobile radar system, this brief tornado touched down around 2 miles west southwest of exit 72 on Interstate 29 and lifted about 1/2 mile east of the exit. The tornado downed 1 tree but did little other damage. Besides being visually seen by the researchers, it also produced a tornadic signature on the DOW system.				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>POTTAWATTAMIE COUNTY --- 0.8 N LOVELAND [41.51, -95.90], 1.3 NNE LOVELAND [41.52, -95.89]</b>				
	06/11/08 18:23 CST		0	Tornado (EF0, L: 0.78 mi , W: 20 yd)
	06/11/08 18:24 CST		0	Source: Storm Chaser
This was the second tornado that was observed by researchers tracking this storm. The tornado touched down briefly just northeast of exit 72 on Interstate 29 and lifted a little to the northeast, doing no apparent damage. The researchers were using DOW, a mobile radar system, and besides being visually seen by the researches, it also produced a tornadic signature on the DOW system.				
<b>SHELBY COUNTY --- 2.6 NW DEFIANCE [41.86, -95.38], 2.8 NNW DEFIANCE [41.87, -95.38]</b>				
	06/11/08 18:59 CST		0	Tornado (EF0, L: 0.39 mi , W: 60 yd)
	06/11/08 19:02 CST		0	Source: Emergency Manager
A tornado touched down briefly northwest of Defiance. The tornado caused mainly just tree damage.				
<b>HARRISON COUNTY --- 4.2 E HARD SCRATCH [41.63, -95.64]</b>				
	06/11/08 19:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/11/08 19:00 CST		0	Source: Public
Thunderstorm wind gusts estimated at over 60 mph blew 2 windows out of a house and knocked down a few branches.				
<b>SHELBY COUNTY --- 4.2 S DEFIANCE [41.77, -95.34], 4.0 S DEFIANCE [41.77, -95.34]</b>				
	06/11/08 19:05 CST		0	Tornado (EF0, L: 0.20 mi , W: 80 yd)
	06/11/08 19:07 CST		0	Source: Emergency Manager
An apparent tornado downed 30 to 40 trees and damaged a farm outbuilding 4 miles south of Defiance.				
<b>SHELBY COUNTY --- 0.9 SW IRWIN [41.79, -95.21]</b>				
	06/11/08 19:15 CST		0	Hail (0.88 in)
	06/11/08 19:15 CST		0	Source: Amateur Radio
<b>POTTAWATTAMIE COUNTY --- 1.9 NW LAKE MANAWA [41.24, -95.87], 1.8 NNW LAKE MANAWA [41.24, -95.86], 1.2 SSE COUNCIL BLUFFS [41.25, -95.86], 1.1 S COUNCIL BLUFFS [41.25, -95.87]</b>				
	06/11/08 21:52 CST		0	Flash Flood (due to Heavy Rain)
	06/11/08 23:52 CST		0	Source: Law Enforcement
Local law enforcement reported that flash flooding occurred over a few roads in south Council Bluffs.				
<b>FREMONT COUNTY --- 2.2 NNW RANDOLPH [40.90, -95.59], 2.6 SE SIDNEY [40.72, -95.61], 3.5 N HAMBURG [40.65, -95.65], 2.2 SW RIVERTON [40.66, -95.60], 2.3 ENE ANDERSON [40.81, -95.56], 2.0 N RANDOLPH [40.90, -95.57]</b>				
	06/11/08 22:30 CST		0	Flood (due to Heavy Rain)
	06/13/08 14:30 CST		0	Source: Official NWS Observations
A week of heavy rain producing thunderstorms through June 11 th fell across the Nishnabotna River basin in southwest Iowa. The heavy rain caused flooding along the West Nishnabotna from around Hancock , in Pottawattamie county, through Randolph in Fremont county to its merger with the East Nishnabotna River near Hamburg. The river at Randolph reached a 23.8 foot crest around 815 pm CDT on June 12th, flood stage is 19 feet. The river at Randolph fell below flood stage during the evening hours of June 13th. The flooding closed several county roads and also flooded agricultural lowlands in the area.				
<b>FREMONT COUNTY --- 3.7 WSW RIVERTON [40.66, -95.64], 0.7 N HAMBURG REIDS ARPT [40.59, -95.65], 1.5 SW SHENANDOAH [40.76, -95.39], 8.0 E IMOGENE [40.87, -95.28], 7.1 ENE IMOGENE [40.91, -95.30]</b>				
	06/11/08 22:30 CST		0	Flood (due to Heavy Rain)
	06/13/08 13:30 CST		0	Source: Official NWS Observations
A week of heavy rain producing thunderstorms through June 11 th fell across the Nishnabotna River basin in southwest Iowa. The heavy rain caused flooding along the East Nishnabotna from around Elliott downstream through the Red Oak area and then into Fremont county where it merges with the West Nishnabotna River near Hamburg. The river at Red Oak reached a 24 foot crest around 415 am CDT on June 13th, flood stage is 18 feet. The river at Red Oak fell below flood stage in the mid afternoon hours of June 13th. The flooding closed a four-mile stretch of Highway 275 near Hamburg from the Missouri state line north, and also closed several county roads, especially around Riverton. Agricultural lowlands in the area were also flooded.				
<b>MONTGOMERY COUNTY --- 1.6 E ELLIOTT [41.15, -95.14], 1.0 W ELLIOTT [41.15, -95.19], 1.6 W COBURG [40.92, -95.31], 0.9 SSE VILLISCA [40.92, -94.99], 1.8 SSW TENVILLE [41.00, -95.02]</b>				



## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/11/08 22:30 CST		0	Flood (due to Heavy Rain)
	06/13/08 13:30 CST		0	Source: Official NWS Observations

A week of heavy rain producing thunderstorms through June 11 th fell across the Nishnabotna, Tarkio and Nodaway River basins in southwest Iowa causing some flooding along each. Flooding along the East Nishnabotna River was noted from around Elliott downstream through the Red Oak area and then into Fremont county where it merges with the West Nishnabotna River near Hamburg. The river at Red Oak reached a 24 foot crest around 415am CDT on June 13th, flood stage is 18 feet. The river at Red Oak fell below flood stage in the mid afternoon hours of June 13th. The flooding closed several county roads and also flooded agricultural lowlands in the area. Flooding was also observed along the Tarkio River near Stanton which submerged boat docks and caused the closure of 6 campsites at a local State Park. Flooding along the East Nodaway River near Villisca prompted the closing of a county road in the area.

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### POTTAWATTAMIE COUNTY --- 1.2 W HANCOCK [41.40, -95.39], 2.8 E HANCOCK [41.40, -95.32], 10.7 WSW KEMLING [41.01, -95.51], 11.8 WSW KEMLING [41.03, -95.54]

06/11/08 23:15 CST	0	Flood (due to Heavy Rain)
06/12/08 18:30 CST	0	Source: Official NWS Observations

A week of heavy rain producing thunderstorms through June 11 th fell across the Nishnabotna River basin in southwest Iowa. The heavy rain caused flooding along the West Nishnabotna from around Hancock, in Pottawattamie county, through Randolph in Fremont county to its merger with the East Nishnabotna River near Hamburg. The river at Hancock in Pottawattamie county reached an 18.5 foot crest around 1215 pm CDT on June 12th, flood stage is 14 feet. The river at Hancock fell below flood stage during the evening hours of June 12th. The flooding closed several county roads and also flooded agricultural lowlands in the area.

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### POTTAWATTAMIE COUNTY --- 1.1 W OAKLAND [41.32, -95.42], 1.4 SW OAKLAND [41.31, -95.42], 0.2 SSE OAKLAND [41.32, -95.40], 0.3 NNE OAKLAND [41.32, -95.40]

06/12/08 00:30 CST	0	Flash Flood (due to Heavy Rain)
06/12/08 02:30 CST	0	Source: Law Enforcement

Flash flooding was reported across a road a mile west of Oakland.

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### PAGE COUNTY --- 4.3 N HEPBURN [40.91, -95.01], 2.7 WNW CLARINDA [40.75, -95.08], 2.2 NW BRADYVILLE [40.60, -95.06], 1.6 ENE BRADYVILLE [40.58, -95.00], 2.2 SE HEPBURN [40.83, -94.97]

06/12/08 02:30 CST	0	Flood (due to Heavy Rain)
06/13/08 03:45 CST	0	Source: Official NWS Observations

A week of heavy rain producing thunderstorms through June 11 th fell across the Nodaway River basin in southwest Iowa. The heavy rain caused flooding along the Nodaway River from around Villisca downstream through Clarinda to around Bradyville. The river at Clarinda reached a 22.7 foot crest at 430pm CDT on June 12, flood stage is 19 feet. The river fell below flood stage at Clarinda during the early morning hours of June 13th. The flooding closed several county roads and also flooded farm fields in eastern Page county.

**A very strong and unseasonably cold upper level low pressure system that was tracking across the northern plains brought a strong low level jet to the region during the early morning hours of June 11th. The warm and unstable air that worked north into the region helped spawn early morning severe thunderstorms across eastern Nebraska and southwest Iowa. Later that day as the upper level system worked into the central Dakotas, a cold front pushed across the region. This helped set off another round of thunderstorms that developed over east central Nebraska by late afternoon.**

**Isolated small supercell thunderstorms initially developed ahead of the cold front over eastern Nebraska, but they were quickly overtaken by a broken line of larger supercell thunderstorms, some of the heavy precipitation type, that developed along the cold front. Cell mergers and training were observed well into the evening hours as the activity quickly spread across southwest Iowa. The storms produced a total of 8 confirmed tornadoes in the Omaha/Valley warning area which covers eastern Nebraska and southwest Iowa.**

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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*All that remains of a bunkhouse that was leveled by the tornado.*

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### MONONA COUNTY --- 0.5 E ONAWA [42.03, -96.09]

06/11/08 04:00 CST	0	Thunderstorm Wind (EG 55 kt)
06/11/08 04:00 CST	0	Source: Public

Thunderstorm wind gusts estimated at over 60 mph knocked down a few trees up to 2 feet in diameter. Power lines were also downed in the vicinity.

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### SHELBY COUNTY --- 2.6 W DEFIANCE [41.83, -95.40]

06/11/08 05:30 CST	0	Hail (0.75 in)
06/11/08 05:30 CST	0	Source: Public

A very strong and unseasonably cold upper level low pressure system that was tracking across the northern plains brought a strong low level jet to the region during the early morning hours of June 11th. The warm and unstable air that worked north into the region helped spawn early morning severe thunderstorms across eastern Nebraska and southwest Iowa.

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### POTTAWATTAMIE COUNTY --- 0.7 S OAKLAND [41.31, -95.40]

06/19/08 12:40 CST	0	Hail (0.75 in)
06/19/08 12:40 CST	0	Source: Public

Cherry size hail or dimes to a little larger was reported near Oakland.

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### MILLS COUNTY --- 2.9 SW SILVER CITY [41.09, -95.69]

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/19/08 15:00 CST		0	Hail (0.75 in)
	06/19/08 15:00 CST		0	Source: Amateur Radio

Hail up to 3/4 of an inch was reported 4 miles northeast of Glenwood.

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### FREMONT COUNTY --- 0.5 W FARRAGUT [40.72, -95.48]

06/19/08 16:20 CST	0	Hail (0.75 in)
06/19/08 16:20 CST	0	Source: Trained Spotter

Pulse-type severe thunderstorms hit western Iowa on June 19th and June 20th during the afternoon and early evening hours. A cool northwesterly upper level wind flow prevailed during this stretch, with several embedded disturbances, while warm and unstable conditions were observed at the surface.

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### MONONA COUNTY --- 2.2 ENE CASTANA [42.09, -95.88]

06/20/08 14:57 CST	0	Hail (1.00 in)
06/20/08 14:57 CST	0	Source: Trained Spotter

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### MONONA COUNTY --- SOLDIER [41.98, -95.78]

06/20/08 15:15 CST	0	Hail (0.75 in)
06/20/08 15:15 CST	0	Source: Trained Spotter

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### POTTAWATTAMIE COUNTY --- 5.9 E MACEDONIA [41.19, -95.32], 6.2 E MACEDONIA [41.19, -95.31]

06/20/08 15:40 CST	0	Tornado (EF0, L: 0.32 mi , W: 40 yd)
06/20/08 15:43 CST	0	Source: Fire Department/Rescue

A brief tornado touchdown knocked down some small tree limbs and caused a power pole to lean about 6 miles east of Macedonia on County Road G66. The funnel and then eventual tornado was high-based and very narrow and was seen from people who were near Griswold, Oakland, Elliott, Treynor and Macedonia. The funnel was visible for around 20 or 25 minutes.

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### HARRISON COUNTY --- 3.8 SW DUNLAP [41.81, -95.65]

06/20/08 15:50 CST	0	Hail (0.75 in)
06/20/08 15:50 CST	0	Source: Public

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### MONTGOMERY COUNTY --- 4.2 ENE WALES [41.15, -95.26]

06/20/08 17:15 CST	0	Hail (0.75 in)
06/20/08 17:15 CST	0	Source: Public

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### MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]

06/20/08 17:52 CST	0	Hail (0.75 in)
06/20/08 17:52 CST	0	Source: Trained Spotter

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### MONTGOMERY COUNTY --- 2.1 W COBURG [40.92, -95.32]

06/20/08 18:10 CST	0	Hail (0.75 in)
06/20/08 18:10 CST	0	Source: Public

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### MILLS COUNTY --- 1.0 W PACIFIC CITY [41.05, -95.84]

06/20/08 18:30 CST	0	Hail (0.75 in)
06/20/08 18:30 CST	0	Source: Public

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### FREMONT COUNTY --- 0.7 N RIVERTON [40.69, -95.57]

06/20/08 19:35 CST	0	Hail (0.75 in)
06/20/08 19:35 CST	0	Source: Public

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### FREMONT COUNTY --- 2.6 NW RIVERTON [40.71, -95.60]

06/20/08 19:35 CST	0	Hail (0.75 in)
06/20/08 19:35 CST	0	Source: Public

This was the second day in a row that pulse-type severe thunderstorms hit western Iowa. A cool northwesterly upper level wind flow prevailed during this stretch, with several embedded disturbances, while warm and unstable conditions were observed at the surface.

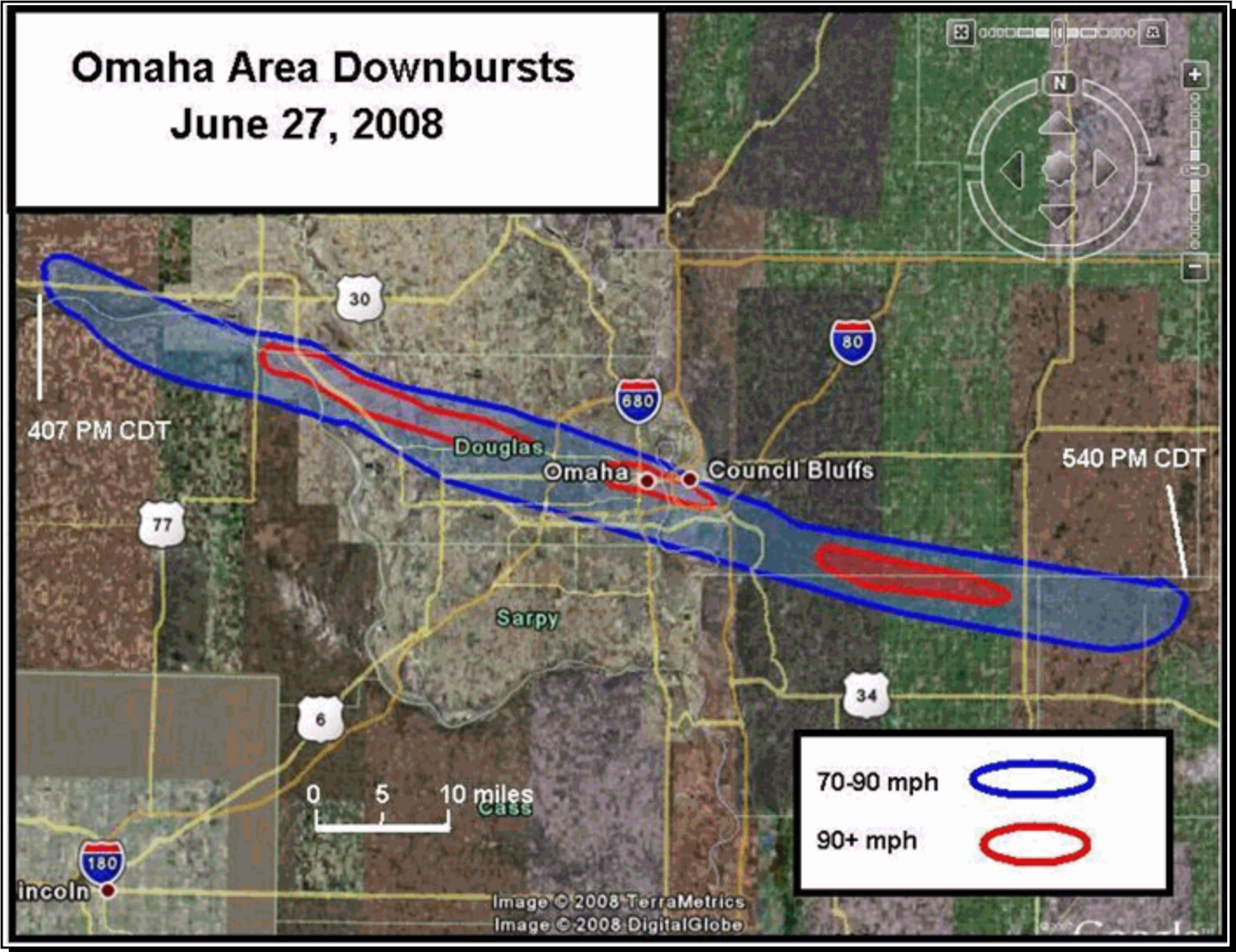
## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PAGE COUNTY --- 2.1 N BLANCHARD [40.61, -95.22]</b>				
	06/24/08 19:55 CST		0	Hail (0.88 in)
	06/24/08 19:55 CST		0	Source: Public
Hail up to nickel-size was reported near Blanchard.				
<b>A warm front that lifted slowly northeast across southwest Iowa during the evening of June 24th brought isolated thunderstorms to the region.</b>				
<b>FREMONT COUNTY --- HAMBURG [40.60, -95.65], 0.7 NW HAMBURG [40.61, -95.66], 1.4 NNW HAMBURG [40.62, -95.66], 1.2 N HAMBURG [40.62, -95.65]</b>				
	06/26/08 14:00 CST		0	Flash Flood (due to Heavy Rain)
	06/26/08 16:00 CST		0	Source: Newspaper
Three inches of rain in around 1 hour caused flash flooding across a few streets in the Hamburg area. The Willow Slough area near Argyle Street was especially affected.				
<b>A cold front pushed slowly across eastern Nebraska and southwest Iowa during the morning and early afternoon hours of June 26th. The front helped touch off a few severe thunderstorms over eastern Nebraska into early afternoon before the activity shifted south of the region. Some of the storms produced heavy rain in southwest Iowa causing isolated reports of flooding.</b>				
<b>POTTAWATTAMIE COUNTY --- 1.5 NNW LAKE MANAWA [41.24, -95.86]</b>				
	06/27/08 16:05 CST		0	Hail (1.75 in)
	06/27/08 16:05 CST		0	Source: Trained Spotter
Hail up to golfball-size was accompanied by thunderstorm winds in excess of 90 mph. The combination caused home and other damage, although most of the damage was due to fallen trees caused by strong winds.				
<b>POTTAWATTAMIE COUNTY --- 1.5 NNW LAKE MANAWA [41.24, -95.86], 3.7 S MACEDONIA [41.15, -95.42]</b>				
	06/27/08 16:05 CST	2	11M	Thunderstorm Wind (EG 80 kt)
	06/27/08 16:40 CST	1	2.20M	Source: NWS Storm Survey
This is a continuation of a 5 to 7 mile wide damage path that a bow-echo thunderstorm caused across eastern Nebraska and southwest Iowa. In Pottawattamie county Iowa it was estimated by a NWS storm survey that winds reached 70 to 90 mph in an area from Council Bluffs to southwest of Treynor and north of Mineola. There was a concentration of tree damage across this area, which also caused house and vehicle damage. Two adults were killed and one young female adult was injured in Council Bluffs when a tree crushed the parked car they were sitting in. Two Semis were blown off the Interstate near Council Bluffs and grain storage units near Treynor sustained serious damage. In Council Bluffs damage was also noted at the City's Recreation Center, the Public Library, the traffic building and a restaurant and golf course. Damage to trees alone in the northwest part of the city amounted to \$275,000. From Council Bluffs the damage swath persisted to areas south and southeast of Macedonia, though wind speeds were estimated to have weakened to 60 to 70 mph. MidAmerican Energy reported that 13,000 customers lost power from the storm in southwest Iowa, including around 11,000 in the Council Bluffs area. According to FEMA and local emergency management damage across the county came to at least \$13 million.				
Direct Fatalities: M18VE, M18VE				
<b>MILLS COUNTY --- GLENWOOD [41.05, -95.77]</b>				
	06/27/08 16:30 CST		0	Thunderstorm Wind (EG 55 kt)
	06/27/08 16:30 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph downed several large trees and caused other tree damage in the Glenwood area. The winds were from the same complex of storms that caused extensive damage in the Omaha and Council Bluffs area.				
<b>FREMONT COUNTY --- 0.5 E RANDOLPH [40.87, -95.56]</b>				
	06/27/08 16:40 CST		0	Thunderstorm Wind (EG 55 kt)
	06/27/08 16:40 CST		0	Source: Public
Thunderstorm wind gusts estimated at over 60 mph downed some large tree limbs in Randolph. The winds were from the decaying thunderstorm bow-echo that slammed into the Omaha/Council Bluffs area a little earlier.				
<b>MONTGOMERY COUNTY --- 0.5 E ELLIOTT [41.15, -95.16]</b>				
	06/27/08 16:50 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/08 16:50 CST		0	Source: Trained Spotter



Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter estimated thunderstorm wind gusts of 60 mph. The winds were caused from the decaying bow-echo thunderstorm that slammed into the Omaha/Council Bluffs area a little earlier.				
A bow echo that developed northwest of Omaha produced a 5 to 7 mile wide swath of significant damage surrounded by a larger area of lesser damage from about 40 miles northwest of Omaha to 50 miles to the southeast. Wind speeds in the core of the damage path were measured at 77 mph at the NWS in Valley before the wind equipment failed and a private citizen reportedly measured 98 mph winds on their home weather equipment in far west Omaha. A storm survey done by the NWS estimated that the damage was caused by straight-line winds which reached speeds of 100 to 115 mph in some areas.				
The damage swath started in north central Saunders and south central Dodge counties Nebraska and ended in southern Pottawattamie and northern Mills counties Iowa. Numerous trees were snapped or uprooted along the path of the significant damage along with snapped power and street light poles and scattered house and outbuilding damage. Corn and other crops in the path were shredded nearly to the ground.				



*This is a damage swath image compiled by a NWS storm survey of the bow-echo thunderstorm that slammed across the Omaha/Council Bluffs area late afternoon of June 27th.*

NEBRASKA, East

BUTLER COUNTY --- 2.7 NW SURPRISE [41.12, -97.36], 2.1 W SURPRISE [41.10, -97.36], 0.5 NNW ULYSSES [41.08, -97.22], 1.1 SE ULYSSES [41.06, -97.21], 2.3 ESE ULYSSES [41.06, -97.18], 1.5 NNE ULYSSES [41.09, -97.21]

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	06/01/08 10:45 CST		0	Source: Official NWS Observations

This flooding event along the Big Blue River continued from late May when heavy rainfall during the evening of May 29th caused the Big Blue River to flood from near Surprise downstream into Seward county south of Ulysses. The flooding began during the early morning hours of May 30th and in Butler county it continued into the late morning hours of June 1st. The river at Surprise reached a crest of 7.7 feet at 915 pm CDT on May 31st, flood stage is 7 feet. The flooding affected mainly just agricultural lowlands.

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**CASS COUNTY --- 1.0 N PLATTSMOUTH [41.03, -95.90], 2.9 ENE COLE ARPT [40.98, -95.87], 3.4 E PLATTSMOUTH MUNI ARP [40.94, -95.86], 1.7 E UNION [40.82, -95.87], 4.0 ESE UNION [40.81, -95.83], 6.4 E MURRAY [40.92, -95.80], 4.3 ESE PLATTSMOUTH [40.99, -95.83], 3.6 NNE PLATTSMOUTH [41.06, -95.86]**

06/01/08 00:00 CST	0	Flood (due to Heavy Rain)
06/02/08 03:30 CST	0	Source: Official NWS Observations

This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth downstream through Rulo, which is in extreme southeast Richardson county. The river stage at Plattsmouth reached a 30 foot crest around 10 am CDT on May 31st, flood stage is 26 feet. This flooding event lasted into the early morning hours of June 2nd. The flooding affected mainly agricultural lowlands.

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**CASS COUNTY --- 5.1 NW SOUTH BEND [41.04, -96.33], 1.1 WNW SOUTH BEND [41.01, -96.27], 2.3 WSW LOUISVILLE [40.99, -96.19], 2.6 WSW OREAPOLIS [41.04, -96.00], 1.9 NNE PLATTSMOUTH [41.05, -95.89], 3.1 NE OREAPOLIS [41.08, -95.91]**

06/01/08 00:00 CST	0	Flood (due to Heavy Rain)
06/01/08 15:30 CST	0	Source: Official NWS Observations

This flooding event continued from May 31st. Heavy rainfall during the evening of May 29th culminated nearly a week of scattered heavy rain producing thunderstorms that occurred along the Platte River basin. The heavy rains caused the Platte River to flood from just northeast of Ashland downstream through the Louisville area then to its mouth with the Missouri River near Plattsmouth. The Platte River reached a crest of 21.1 at Ashland around 9am CDT on May 31st, flood stage is 20 feet. The river crested at 10.6 feet at Louisville around 1pm on May 31st, flood stage is 9 feet. The river fell below flood stage at both points during the afternoon of June 1. The flooding closed a few county roads in the area and also flooded farmland.

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**DODGE COUNTY --- 3.8 SE RIDGELEY [41.56, -96.67], 3.0 SSW SCRIBNER ARPT [41.58, -96.66], 2.9 SSE HOOPER [41.58, -96.54], 2.0 NNW NICKERSON [41.56, -96.49], 2.0 NE NICKERSON [41.55, -96.45], 1.0 NE NICKERSON [41.54, -96.47]**

06/01/08 00:00 CST	0	Flood (due to Heavy Rain)
06/01/08 19:00 CST	0	Source: Official NWS Observations

Heavy rainfall during the evening of May 29th caused Maple Creek to flood from northeast of North Bend to its mouth with the Elkhorn River near Nickerson. The flooding started late in the morning on May 30th and continued for several days afterward as additional rain aggravated the situation. The creek at Nickerson reached multiple crests of around 11 feet from mid afternoon on May 30th through mid afternoon on June 1, flood stage is 10 feet. The creek dropped below flood stage around 8pm CDT on June 1. The flooding briefly closed Highway 91 west of Nickerson, closed county roads in the area and flooded farmland along the creek.

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**NEMAHA COUNTY --- 3.0 N PERU [40.52, -95.72], 1.0 SW NEMAHA [40.32, -95.68], 2.2 ESE NEMAHA [40.32, -95.63], 3.4 SE BROWNVILLE [40.36, -95.61], 4.4 NNE BROWNVILLE [40.46, -95.63], 4.6 NNE PERU [40.54, -95.68]**

06/01/08 00:00 CST	0	Flood (due to Heavy Rain)
06/21/08 08:00 CST	0	Source: Official NWS Observations

This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth downstream through Rulo which is in extreme southeast Richardson county. Heavy rain which continued over sections of the Missouri River basin during the first week of June caused the flooding to continue along the Missouri River in Nemaha county until mid morning on June 21st. The river at Brownville crested at around 40 feet late in the evening of June 13th, flood stage is 32 feet. The flooding affected agricultural lowlands and also flooded county roads in the area.

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**OTOE COUNTY --- 9.2 N NEBRASKA CITY ARPT [40.80, -95.88], 3.8 NNE ELBERON [40.72, -95.94], 1.4 E NEBRASKA CITY [40.65, -95.82], 6.0 ESE PAUL [40.53, -95.78], 8.7 ESE PAUL [40.54, -95.72], 4.5 E NEBRASKA CITY [40.66, -95.77], 10.6 N NEBRASKA CITY ARPT [40.82, -95.83]**

06/01/08 00:00 CST	0	Flood (due to Heavy Rain)
06/02/08 20:30 CST	0	Source: Official NWS Observations

This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth downstream through Rulo which is in extreme southeast Richardson county. The flooding along the Missouri River in Otoe county from this event began during the late afternoon hours of May 30th. The river at Nebraska City crested just over 21 feet at 1115am CDT on June 1, flood stage is 18 feet. The flooding continued into the evening hours of June 2nd. The flooding affected mainly agricultural lowlands but also flooded a few county roads in the area.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>RICHARDSON COUNTY --- 5.2 N SHUBERT [40.30, -95.67], 6.6 NE (FNB)BRENER FLD FALL [40.15, -95.49], 1.3 S RULO [40.03, -95.43], 5.3 ESE RULO [40.01, -95.34], 7.6 ESE RULO [40.02, -95.29], 7.3 NNE RULO [40.15, -95.39], 7.3 ENE BARADA [40.25, -95.45], 8.4 N BARADA [40.34, -95.60]</b>				
	06/01/08 00:00 CST		0.40M	Flood (due to Heavy Rain)
	06/21/08 20:45 CST		0	Source: Official NWS Observations
This flooding event carried over from May when heavy rain producing thunderstorms during the last week of May occurred along the Missouri River basin. The heavy rains caused the Missouri River to flood from near its confluence with the Platte River near Plattsmouth downstream through Rulo which is in extreme southeast Richardson county. Heavy rain which continued over sections of the Missouri River basin during the first week of June caused the flooding to continue along the Missouri River in Richardson county until mid evening on June 21st. The Flooding from this event along the Missouri River in Richardson county began during the mid afternoon hours of May 30th. The river at Rulo crested just above 25 feet early in the evening of June 14th, flood stage is 17 feet. The town of Rulo sustained damage to a few streets, park buildings and one of its boat ramps. It was estimated that around 30 homes and a few businesses sustained some damage from flood waters. The flooding also affected agricultural lowlands and flooded county roads in the area .				
<b>SARPY COUNTY --- 0.7 W MEADOW [41.03, -96.18], 2.7 SE RICHFIELD [41.09, -96.05], 1.5 SSE LOUISVILLE STATION [41.01, -96.14], 4.4 SW MEADOW [40.99, -96.23], 6.1 W MEADOW [41.04, -96.29], 7.1 SSW GRETN A [41.06, -96.32], 6.4 SSW GRETN A [41.07, -96.30]</b>				
	06/01/08 00:00 CST		0	Flood (due to Heavy Rain)
	06/01/08 15:30 CST		0	Source: Official NWS Observations
This flooding event continued over from May 31st. Heavy rainfall during the evening of May 29th culminated nearly a week of scattered heavy rain producing thunderstorms that occurred along the Platte River basin. The heavy rains caused the Platte River to flood from just northeast of Ashland downstream through the Louisville area then to its mouth with the Missouri River near Plattsmouth. The Platte River reached a crest of 21.1 at Ashland around 9am CDT on May 31st, flood stage is 20 feet. The river crested at 10.6 feet at Louisville around 1pm on May 31st, flood stage is 9 feet. The river fell below flood stage at both points during the afternoon of June 1. The flooding forced some evacuations near Beacon View and Linoma Beach , closed a few county roads in the area and spread into surrounding farmland.				
<b>Heavy rain that fell over a week to ten day period from late May into early June caused flooding in late May that lingered across portions of eastern Nebraska into early June.</b>				
<b>KNOX COUNTY --- 0.5 W WAUSA [42.50, -97.54]</b>				
	06/03/08 00:36 CST		0	Hail (0.88 in)
	06/03/08 00:36 CST		0	Source: Law Enforcement
<b>CEDAR COUNTY --- 0.7 N COLERIDGE [42.51, -97.20]</b>				
	06/03/08 01:00 CST		0	Hail (0.88 in)
	06/03/08 01:00 CST		0	Source: Trained Spotter
<b>CEDAR COUNTY --- 1.0 S COLERIDGE [42.49, -97.20]</b>				
	06/03/08 01:00 CST		0	Thunderstorm Wind (EG 50 kt)
	06/03/08 01:00 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at close to 60 mph destroyed a metal farm outbuilding south of Coleridge.				
<b>CEDAR COUNTY --- 0.5 W LAUREL [42.43, -97.09]</b>				
	06/03/08 01:30 CST		0	Hail (1.00 in)
	06/03/08 01:30 CST		0	Source: Trained Spotter
<b>CEDAR COUNTY --- 1.5 E LAUREL [42.43, -97.05]</b>				
	06/03/08 01:30 CST		0	Hail (1.00 in)
	06/03/08 01:30 CST		0	Source: Trained Spotter
<b>BURT COUNTY --- 0.7 N DECATUR [42.01, -96.25]</b>				
	06/03/08 02:30 CST		0	Hail (0.75 in)
	06/03/08 02:38 CST		0	Source: Trained Spotter
Hail around 3/4 of an inch in diameter fell for a little under 10 minutes in Decatur.				
<b>THURSTON COUNTY --- 0.9 NE ROSALIE [42.06, -96.51]</b>				
	06/03/08 03:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/03/08 03:00 CST		0	Source: Law Enforcement
Thunderstorm wind gusts estimated at over 60 mph downed a large tree which fell on 2 cars causing damage.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SEWARD COUNTY --- 1.1 W RUBY [40.83, -97.10]</b>				
	06/03/08 04:00 CST		0	Hail (0.88 in)
	06/03/08 04:00 CST		0	Source: Public
<b>LANCASTER COUNTY --- 0.5 E PANAMA [40.60, -96.51]</b>				
	06/03/08 04:15 CST		0	Hail (0.75 in)
	06/03/08 04:15 CST		0	Source: Law Enforcement
<b>LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]</b>				
	06/03/08 04:15 CST		0	Hail (0.75 in)
	06/03/08 04:15 CST		0	Source: Law Enforcement
Reported near Interstate 80 and Cornhusker.				
<b>OTOE COUNTY --- 3.4 NNE ELBERON [40.72, -95.93], 1.4 NNE NEBRASKA CITY ARPT [40.69, -95.86]</b>				
	06/03/08 05:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/03/08 05:00 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at 65 mph near the intersection of Highway 75 and Business Route 75 knocked down 5 power poles and 2 stop signs. This prompted the closure of Business 75 until the power poles were repaired. Trees were also toppled or damaged in the area as were farm outbuildings.				
<b>OTOE COUNTY --- 2.8 S PALMYRA [40.66, -96.39], 1.7 SSW PALMYRA [40.68, -96.39], 1.6 S PALMYRA [40.68, -96.38], 2.5 S PALMYRA [40.66, -96.38]</b>				
	06/03/08 05:45 CST		0	Flash Flood (due to Heavy Rain)
	06/03/08 07:45 CST		0	Source: Law Enforcement
Heavy rain caused flash flooding across State Spur 66 north of Douglas.				
<b>Severe thunderstorms developed north of a stalled frontal boundary and low pressure system that extended from north central Kansas into southern Iowa.</b>				
<b>CASS COUNTY --- 0.5 W MURRAY [40.92, -95.93]</b>				
	06/04/08 16:27 CST		0	Hail (1.75 in)
	06/04/08 16:27 CST		0	Source: Law Enforcement
Golfball-size hail was reported near Murray.				
<b>CASS COUNTY --- 0.5 W MURRAY [40.92, -95.93]</b>				
	06/04/08 16:27 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/08 16:27 CST		0	Source: Law Enforcement
Thunderstorm winds were estimated at 60 mph by Law Enforcement.				
<b>CASS COUNTY --- 1.7 ESE COLE ARPT [40.96, -95.89], 0.3 ESE PLATTSMOUTH [41.02, -95.89]</b>				
	06/04/08 16:40 CST		0	Hail (1.25 in)
	06/04/08 16:47 CST		0	Source: Trained Spotter
Hail up to 1.25 inches in diameter fell from just south of Plattsmouth into the Plattsmouth area.				
<b>BOONE COUNTY --- 0.7 S CEDAR RAPIDS [41.56, -98.15]</b>				
	06/04/08 17:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/08 17:00 CST		0	Source: Emergency Manager
<b>BOONE COUNTY --- 0.7 S CEDAR RAPIDS [41.56, -98.15]</b>				
	06/04/08 17:02 CST		0	Hail (0.75 in)
	06/04/08 17:02 CST		0	Source: Law Enforcement
The hail was accompanied by thunderstorm wind gusts estimated at 60 mph.				
<b>BOONE COUNTY --- 0.5 E ST EDWARD [41.57, -97.86]</b>				



## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/04/08 17:33 CST		0	Hail (0.75 in)
	06/04/08 17:33 CST		0	Source: Law Enforcement

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### SEWARD COUNTY --- 6.0 WNW STAPLEHURST [41.01, -97.27], 5.6 NNW STAPLEHURST [41.05, -97.20]

06/04/08 18:25 CST	0	Tornado (EF1, L: 4.21 mi , W: 440 yd)
06/04/08 18:30 CST	0	Source: NWS Storm Survey

This tornado started about 4 miles southwest of Ulysses in Seward county, crossed into Butler county about 1.5 miles south of Ulysses and then lifted around 1 mile east southeast of town. The tornado flipped irrigation center pivots along its path and caused tree and farm outbuilding damage. It was rated an EF1 in both Seward and Butler counties. The total path length in both counties was a little over 5 miles.

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### BUTLER COUNTY --- 1.8 SSE ULYSSES [41.05, -97.20], 1.9 ESE ULYSSES [41.06, -97.19]

06/04/08 18:30 CST	0	Tornado (EF1, L: 1.38 mi , W: 440 yd)
06/04/08 18:33 CST	0	Source: Emergency Manager

This tornado started about 4 miles southwest of Ulysses in Seward county, crossed into Butler county about 1.5 miles south of Ulysses and then lifted around 1 mile east southeast of town. The tornado flipped irrigation center pivots along its path and caused tree and farm outbuilding damage. It was rated an EF1 in both Seward and Butler counties. The total path length in both counties was a little over 5 miles.

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### BUTLER COUNTY --- SURPRISE [41.10, -97.32]

06/04/08 18:30 CST	0	Hail (2.00 in)
06/04/08 18:30 CST	0	Source: Newspaper

A few hailstones approached baseball-size in the Surprise area which busted a few windshields. The hail was from the same supercell thunderstorm that produced a tornado in the Ulysses area.

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### BUTLER COUNTY --- 1.3 W ULYSSES [41.07, -97.24], 2.5 E ULYSSES [41.07, -97.17]

06/04/08 18:44 CST	0	Tornado (EF1, L: 3.79 mi , W: 440 yd)
06/04/08 18:50 CST	0	Source: Emergency Manager

This tornado touched down about 1 1/2 miles west of Ulysses, traveled east across town and then lifted around 2 1/2 miles east of town. The tornado heavily damaged 4 homes west of town and also caused tree and farm outbuilding damage and flipped dozens of center pivots. Power lines were also downed, causing 500 residents to lose power for 24 hours or more. Homes in Ulysses also sustained damage as did the Farmers Cooperative Elevator. This is the second tornado that spun up from a large supercell thunderstorm that moved across the area.

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### BOONE COUNTY --- ST EDWARD [41.57, -97.87], 4.2 WSW BOONE [41.60, -98.00], 2.8 NNE ST EDWARD [41.61, -97.86], 1.3 ENE ST EDWARD [41.57, -97.84]

06/04/08 19:00 CST	0	Flash Flood (due to Heavy Rain)
06/04/08 21:00 CST	0	Source: Newspaper

Heavy rain caused flash flooding of small creeks and farm fields around and northwest of St. Edward. The flood waters flowed into town flooding several streets causing their closure, mainly across the north part of town around 5th Street. Some basements were also flooded. Flood waters from this storm, or from flooding along Beaver Creek on June 8, washed out approaches to two county road bridges. Rainfall of 3.5 inches was observed in town with a report of 5 inches north of town.

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### BUTLER COUNTY --- 4.9 W DWIGHT [41.08, -97.11], 0.7 NE DWIGHT [41.09, -97.01]

06/04/08 19:00 CST	0	Tornado (EF1, L: 5.50 mi , W: 220 yd)
06/04/08 19:10 CST	0	Source: Emergency Manager

This tornado was apparently embedded in a downburst or series of downbursts that caused damage from east of Ulysses through the Ceresco and Valparaiso areas in Saunders county. The tornado damaged a grain bin and trees when it initially touched down and caused other damage along its relatively narrow path. This tornado was from the same supercell thunderstorm that produced 2 earlier tornadoes near Ulysses.

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### SAUNDERS COUNTY --- 0.9 SW TOUHY [41.12, -96.83]

06/04/08 19:05 CST	0	Hail (1.00 in)
06/04/08 19:05 CST	0	Source: Trained Spotter

The hail occurred with the supercell thunderstorm that produced 2 tornadoes near Ceresco.

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### SEWARD COUNTY --- STAPLEHURST [40.97, -97.17]

06/04/08 19:06 CST	0	Hail (0.88 in)
06/04/08 19:06 CST	0	Source: Law Enforcement

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BUTLER COUNTY --- 3.8 E ULYSSES [41.07, -97.15], 6.0 SE LOMA [41.08, -96.88]</b>				
	06/04/08 19:10 CST		0	Thunderstorm Wind (EG 65 kt)
	06/04/08 19:35 CST		0	Source: Amateur Radio
A downburst or a series of downbursts associated with the supercell thunderstorm that spawned 2 tornadoes in the Ulysses area produced tree and building damage from east of Ulysses through Dwight and Valparaiso (which is in Saunders county). The winds were estimated by an NWS storm survey to be 60 to 80 mph. The tree damage extended east toward Ceresco where the storm spawned 2 more tornadoes.				
<b>SEWARD COUNTY --- 0.9 SW BEE [41.01, -97.08]</b>				
	06/04/08 19:14 CST		0	Hail (1.00 in)
	06/04/08 19:14 CST		0	Source: Law Enforcement
The hail occurred with the same supercell thunderstorm that produced a tornado west of the region.				
<b>SEWARD COUNTY --- 2.1 SSW GARLAND [40.92, -96.99]</b>				
	06/04/08 19:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/08 19:15 CST		0	Source: NWS Employee
Thunderstorm wind gusts estimated at 60 mph were observed near Garland. The winds were associated with the supercell thunderstorm that spawned 2 tornadoes in the Ulysses area.				
<b>SEWARD COUNTY --- 0.9 SE BEE [41.01, -97.06]</b>				
	06/04/08 19:20 CST		0	Thunderstorm Wind (EG 55 kt)
	06/04/08 19:20 CST		0	Source: Emergency Manager
Thunderstorm winds, associated with the supercell that spawned 2 tornadoes in the Ulysses area, caused damage around Bee. The winds were estimated at over 60 mph.				
<b>LANCASTER COUNTY --- 2.8 N RAYMOND [40.99, -96.78], 2.3 WSW RAYMOND [40.94, -96.81]</b>				
	06/04/08 19:26 CST		0	Hail (2.75 in)
	06/04/08 19:41 CST		0	Source: Amateur Radio
Hail up to 2.75 inches in diameter fell for about 15 minutes from west of Raymond through Raymond and then to north of town. Scattered vehicle, house and crop damage was noted in the area.				
<b>LANCASTER COUNTY --- 2.1 N ARBOR [40.93, -96.66], 1.0 SSW ARROW ARPT [40.86, -96.66]</b>				
	06/04/08 19:35 CST		0	Hail (1.75 in)
	06/04/08 19:41 CST		0	Source: Law Enforcement
Hail up to golf ball size was reported near North 14th and Davey Rd and Northwest 40 th and Waverly Rd just north of Lincoln. Other reports of golf ball size were also received in the Lincoln vicinity, but mainly across the north part of town.				
<b>SAUNDERS COUNTY --- 3.0 WSW TOUHY [41.11, -96.87], 3.2 E CERESCO [41.05, -96.59]</b>				
	06/04/08 19:35 CST		0	Thunderstorm Wind (EG 60 kt)
	06/04/08 19:55 CST		0	Source: NWS Storm Survey
A downburst or series of downbursts uprooted trees and caused other scattered tree and farm outbuilding damage from west of Dwight in Butler county east to the Touhy and Valparaiso areas in Saunders county then across southern Saunders county. The winds were associated with the same supercell thunderstorm that produced a tornado near Dwight and 2 tornadoes in the Ceresco area.				
<b>SAUNDERS COUNTY --- 4.5 ENE POLAKS ARPT [41.04, -96.74], 1.9 E CERESCO [41.05, -96.61]</b>				
	06/04/08 19:37 CST		0	Tornado (EF1, L: 6.47 mi, W: 880 yd)
	06/04/08 19:45 CST		0	Source: NWS Storm Survey
This tornado started around 5 miles west and 1 mile south of Ceresco. West of town a barn was destroyed along with farm outbuildings. There was also substantial tree damage in the area and the metal panels of a farm building were strewn around power poles and across a field. Considerable tree and building damage occurred in the town of Ceresco, including the roof taken off of a restaurant/bar. Four homes in town were declared uninhabitable due to storm damage and another 71 sustained some sort of damage. In addition around 30 homes outside of town were damaged. Storm debris was scattered across Highway 77 which prompted its closure that continued well into the next day. The tornado probably traveled farther east of town than a mile as a local newspaper later reported that farm outbuilding and tree damage consistent with tornado damage was noted at several farmsteads 4 to 6 miles east of Ceresco. However, downed power lines limited the eastward extent of the NWS storm survey. Power was knocked out across much of town for several days with at least 225 power poles destroyed or severely damaged.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SAUNDERS COUNTY --- 3.7 W ASHLAND [41.04, -96.45]</b>				
	06/04/08 19:50 CST		0	Hail (0.75 in)
	06/04/08 19:50 CST		0	Source: Trained Spotter
<b>SAUNDERS COUNTY --- 2.9 WNW CERESCO [41.07, -96.70], 2.9 NE CERESCO [41.08, -96.61]</b>				
	06/04/08 19:55 CST		0	Tornado (EF1, L: 4.88 mi , W: 440 yd)
	06/04/08 20:00 CST		0	Source: NWS Storm Survey
A second tornado spun up while the first tornado to its south was dissipating . This tornado affected mainly the northern end of Ceresco downing trees and power lines and causing some building damage. This tornado could have also possibly traveled farther east, but the survey was limited due to downed power lines.				
<b>PLATTE COUNTY --- PLATTE CENTER [41.53, -97.50], 1.2 WNW LINDSAY [41.71, -97.72], 0.6 W ST BERNARD [41.72, -97.64], 3.3 N PLATTE CENTER [41.58, -97.49]</b>				
	06/04/08 20:00 CST		0	Flash Flood (due to Heavy Rain)
	06/04/08 23:00 CST		0	Source: Newspaper
Heavy rain caused flash flooding of county roads along Shell Creek from around Lindsay to Platte Center. Rainfall in the northwest part of the county was estimated at 2 to 3 inches.				
<b>DOUGLAS COUNTY --- 1.7 SSE WATERLOO [41.26, -96.29], 1.0 N SOUTH OMAHA [41.24, -95.95]</b>				
	06/04/08 20:03 CST		0	Hail (1.25 in)
	06/04/08 20:20 CST		0	Source: Trained Spotter
Hail between nickel and half dollar size was reported across sections of Omaha. Reports of hail this large were received from the Elkhorn area, from 168th and Pacific, 192nd and Center, the 1600 block of South 24th Street and from the Millard area.				
<b>CASS COUNTY --- 0.5 W LOUISVILLE [41.00, -96.16]</b>				
	06/04/08 20:15 CST		0	Hail (0.88 in)
	06/04/08 20:20 CST		0	Source: Emergency Manager
The hail fell for about 5 minutes and was accompanied by thunderstorm wind gusts estimated at 60 mph which caused some unspecified damage.				
<b>CASS COUNTY --- LOUISVILLE [41.00, -96.15]</b>				
	06/04/08 20:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/04/08 20:20 CST		0	Source: Emergency Manager
Thunderstorm winds estimated at around 60 mph caused unspecified damage in the Louisville area according to emergency management.				
<b>SARPY COUNTY --- 3.5 S GRETN A [41.10, -96.24]</b>				
	06/04/08 20:22 CST		0	Hail (1.00 in)
	06/04/08 20:22 CST		0	Source: Trained Spotter
<b>SARPY COUNTY --- BELLEVUE [41.12, -95.90]</b>				
	06/04/08 20:25 CST		0	Thunderstorm Wind (EG 55 kt)
	06/04/08 20:25 CST		0	Source: Newspaper
Thunderstorm winds estimated at over 60 mph downed several large trees in the Bellevue area. The fallen trees damaged several vehicles.				
<b>CASS COUNTY --- 3.6 W MURRAY [40.92, -95.99], 0.5 WSW MURRAY [40.92, -95.93]</b>				
	06/04/08 20:35 CST		0	Hail (1.75 in)
	06/04/08 20:43 CST		0	Source: Amateur Radio
Hail up to golfball size was reported from around 3 miles west of Murray into Murray.				
<b>JEFFERSON COUNTY --- 3.7 W DAYKIN [40.32, -97.35], 0.4 ENE DAYKIN [40.32, -97.27]</b>				
	06/04/08 20:35 CST		0	Hail (0.75 in)
	06/04/08 20:38 CST		0	Source: Emergency Manager
Hail around 3/4 of an inch in diameter was reported from 3 miles west to 1 mile east of Daykin.				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SAUNDERS COUNTY --- 2.9 SW COLON [41.27, -96.66]</b>				
	06/04/08 21:15 CST		0	Hail (0.88 in)
	06/04/08 21:15 CST		0	Source: COOP Observer
<b>CASS COUNTY --- 1.7 S WABASH [40.85, -96.25], 4.9 SSE WEEPING WATER ARPT [40.81, -96.07], 5.3 SSW WEEPING WATER [40.80, -96.18], 2.2 WNW ELMWOOD [40.85, -96.32]</b>				
	06/04/08 21:25 CST		0	Flash Flood (due to Heavy Rain)
	06/05/08 00:25 CST		0	Source: Emergency Manager
Heavy rain fell across much of Cass county from late afternoon on June 4 into the overnight hours. Over 4 inches was reported around the Weeping Water area, which was likely representative of much of the county. The heavy rains flooded a few county roads around Elmwood and also flooded across Highway 34 near Avoca.				
<b>OTOE COUNTY --- 3.0 W UNADILLA [40.68, -96.33], 3.5 ENE PALMYRA [40.73, -96.32], 3.4 NE UNADILLA [40.71, -96.22], 2.6 E UNADILLA [40.67, -96.22]</b>				
	06/04/08 21:25 CST		0	Flash Flood (due to Heavy Rain)
	06/05/08 01:00 CST		0	Source: Emergency Manager
According to emergency management five inches of rain fell near Palmyra with around 4 inches at Unadilla. The heavy rain caused flash flooding along Hooper Creek west of Unadilla and along a small creek east of town. The flood waters crossed a few county roads, eventually flowing into the Little Nemaha watershed.				
<b>SALINE COUNTY --- 2.8 S WESTERN [40.36, -97.20]</b>				
	06/04/08 21:25 CST		0	Hail (0.88 in)
	06/04/08 21:25 CST		0	Source: Emergency Manager
<b>SALINE COUNTY --- 3.0 NW SWANTON [40.41, -97.12]</b>				
	06/04/08 21:25 CST		0	Hail (0.88 in)
	06/04/08 21:35 CST		0	Source: Emergency Manager
Hail up to nickel size fell for about 10 minutes.				
<b>SALINE COUNTY --- 3.2 WNW WILBER MUNI ARPT [40.48, -97.04]</b>				
	06/04/08 21:30 CST		0	Hail (0.75 in)
	06/04/08 21:30 CST		0	Source: Emergency Manager
<b>JEFFERSON COUNTY --- 4.6 NE HELVEY [40.31, -97.18], 1.3 WSW DAYKIN [40.31, -97.30], 1.5 NW DAYKIN [40.34, -97.30], 5.6 E DAYKIN [40.33, -97.17]</b>				
	06/04/08 21:50 CST		0.25M	Flash Flood (due to Heavy Rain)
	06/05/08 00:50 CST		0	Source: Emergency Manager
Heavy rain caused flash flooding that washed out several roads and a bridge near Daykin and also produced runoff from farm fields that flooded across Highway 15 north of Fairbury. Rainfall from the thunderstorms was likely 2 to 4 inches from late afternoon of June 4 into the early morning hours of June 5.				
<b>LANCASTER COUNTY --- 2.1 NNW HOLLAM [40.56, -96.80], 2.9 NNE COBB [40.79, -96.78], 3.2 SSE PRAIRIE HOME [40.83, -96.50], 4.6 E FIRTH [40.53, -96.51]</b>				
	06/04/08 21:50 CST		1.20M	Flash Flood (due to Heavy Rain)
	06/05/08 00:50 CST		0	Source: Emergency Manager
Heavy rain caused flash flooding which caused extensive damage to basements and businesses and closed numerous county roads, mostly south of Lincoln, and especially along Salt Creek. Gravel was washed from roads and cropland was also flooded. It was estimated that resurfacing gravel roads alone would cost \$180,000 and damage to homes and businesses could approach \$1 million. Unofficial reports of up to 8 inches of rain fell from this storm.				
<b>SALINE COUNTY --- 4.5 NNE WESTERN [40.46, -97.15], 3.3 SE WESTERN [40.36, -97.16], 3.4 SW DE WITT [40.37, -96.97], 1.2 SSW WILBER MUNI ARPT [40.45, -96.99]</b>				
	06/04/08 21:50 CST		0	Flash Flood (due to Heavy Rain)
	06/05/08 05:00 CST		0	Source: Emergency Manager
Heavy rain caused flash flooding along Swan Creek and its tributaries over southern Saline county. The water flooded numerous county roads and hundreds of acres of farmland. Rainfall was reported at 3 to 5 inches in the Swanton area.				
<b>JEFFERSON COUNTY --- 5.0 NE HELVEY [40.32, -97.18]</b>				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/04/08 21:55 CST		0	Hail (0.75 in)
	06/04/08 21:55 CST		0	Source: Law Enforcement

Reported 6 miles east of Daykin.

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### NEMAHA COUNTY --- 3.0 WNW BROCK [40.50, -96.00]

06/04/08 23:00 CST	0	Thunderstorm Wind (EG 52 kt)
06/04/08 23:00 CST	0	Source: Public

Thunderstorm winds gusts were estimated by the public at 60 mph.

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### NEMAHA COUNTY --- 0.9 SW AUBURN [40.39, -95.84]

06/04/08 23:31 CST	0	Hail (1.00 in)
06/04/08 23:31 CST	0	Source: Trained Spotter

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### GAGE COUNTY --- 5.0 N (BIE)BEATRICE ARPT [40.37, -96.75], 6.1 NW HOAG [40.39, -96.90], 4.5 NNW ELLIS [40.28, -96.91], 4.1 ENE BEATRICE [40.30, -96.66], 2.4 E PICKRELL [40.38, -96.67]

06/04/08 23:50 CST	0.25M	Flash Flood (due to Heavy Rain)
06/05/08 05:00 CST	0	Source: Emergency Manager

Heavy rain caused flash flooding across mainly northern Gage county. Numerous county roads were flooded causing damage to culverts, according to emergency management. Farm fields also sustained damage.

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### LANCASTER COUNTY --- 1.5 WNW HOLLAM [40.54, -96.80], 4.1 E FIRTH [40.54, -96.52], 1.3 NNW BENNET [40.70, -96.51], 1.5 SE COBB [40.73, -96.78]

06/05/08 00:50 CST	0	Flood (due to Heavy Rain)
06/06/08 06:00 CST	0	Source: Newspaper

Heavy rain caused extensive lowland flooding across much of the southern half of Lancaster county. Flooding was most pronounced on the upper sections of the Little Nemaha and Big Nemaha River basins as well as Salt Creek...all generally south of Lincoln. Flooding was also observed on some of the flood control lakes in the area, such as Hedgefield Lake and Wagon Train Lake. Unofficial rainfall from the storm totaled 8 inches south of Lincoln. Many businesses and houses were flooded as were a few vehicles. At least 2 evacuations were made in the Hickman area due to rising flood waters and nearly a mile of railroad track was washed out west of town. Flood waters crossed several county roads in southern Lancaster county, causing their closure, and flooding was also observed at many parks and recreation areas as well as adjacent farm land.

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### OTOE COUNTY --- 2.6 NW OTOE [40.75, -96.15], 0.9 SSW ELBERON [40.66, -95.95], 0.8 WNW TALMAGE [40.53, -96.03], 3.1 WNW PALMYRA [40.71, -96.44]

06/05/08 01:00 CST	0	Flood (due to Heavy Rain)
06/06/08 06:00 CST	0	Source: Official NWS Observations

Heavy rain that fell across the Little Nemaha River basin on June 4th prompted the Little Nemaha River and the North Fork of the Little Nemaha River to flood from Palmyra and Otoe downstream through Talmage. The flood waters covered the bridge of old Highway 2 east of Dunbar and crossed the railroad tracks near town. Other flooding was observed around Palmyra and Unadilla through Syracuse. Besides agricultural lowlands, county roads in the region were also flooded. The Little Nemaha River at Auburn, which is in Nemaha county just downstream of the above locations, crested at 24.4 feet around 10pm CDT on June 5th, flood stage is 22 feet.

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### BUTLER COUNTY --- 2.1 W SURPRISE [41.11, -97.36], 2.4 ESE SURPRISE [41.09, -97.28], 0.8 NE ULYSSES [41.08, -97.21], 1.3 SSE ULYSSES [41.05, -97.21], 1.9 SE ULYSSES [41.05, -97.19], 1.6 WSW BONGERS ARPT [41.22, -97.16], 3.2 NE RISING CITY [41.24, -97.26]

06/05/08 01:15 CST	0	Flood (due to Heavy Rain)
06/11/08 04:45 CST	0	Source: Official NWS Observations

Heavy rain producing thunderstorms that tracked across the Big Blue River basin on June 4th caused the Big Blue River to flood from near Surprise downstream into Seward county south of Ulysses for the second time in a week. This time the crest was much higher and the water remained above flood stage longer due to additional heavy rain producing thunderstorms from June 5th through early on the 8th. The flooding from this event began during the early morning hours of June 5th and in Butler county it continued into the early morning hours of June 11th. The river at Surprise reached a crest of 11.3 feet around 7pm CDT on June 5th, flood stage is 7 feet. The flooding closed many county roads and a few highway spurs from near Surprise downstream through Ulysses. The flooding around Ulysses hampered tornado cleanup. Farmland was also flooded. The North Branch of the Big Blue River also flooded for a while on June 5, which caused the closure of Highway 92 between northbound Highway 15 and northbound Highway 81.

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### JEFFERSON COUNTY --- 4.6 W POWELL [40.23, -97.37], 3.7 WNW GLADSTONE [40.19, -97.36], 2.7 SSW FAIRBURY [40.11, -97.19], 1.7 SW STEELE CITY [40.01, -97.04], 2.5 ESE STEELE CITY [40.01, -96.98], 2.5 NNW ENDICOTT [40.11, -97.13], 1.9 E POWELL [40.22, -97.24]

06/05/08 01:45 CST	0	Flood (due to Heavy Rain)
06/05/08 16:00 CST	0	Source: Official NWS Observations

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Heavy rain from June 4th into the early morning hours of June 5th caused the Little Blue River to flood across Jefferson county for the second time in a week. The river at Fairbury from this event reached a 19.2 foot crest around 1030 am CDT on June 5th, flood stage is 15 feet. The river was above flood stage at Fairbury from early morning until late afternoon on June 5th. The flooding crossed a few county roads near the river and also flooded agricultural lowlands.				

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### LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]

06/05/08 02:09 CST	0	Hail (0.75 in)
06/05/08 02:09 CST	0	Source: Law Enforcement

Reported near 14th and Mill Road.

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### OTOE COUNTY --- 7.6 N NEBRASKA CITY ARPT [40.78, -95.86], 5.2 NNW NEBRASKA CITY ARPT [40.74, -95.91], 1.1 NNE NEBRASKA CITY [40.67, -95.84], 4.1 SE NEBRASKA CITY [40.61, -95.79], 6.2 SE PAUL [40.52, -95.79], 11.1 ESE PAUL [40.53, -95.67]

06/05/08 04:00 CST	0	Flood (due to Heavy Rain)
06/15/08 18:30 CST	0	Source: Official NWS Observations

Heavy rain over sections of the Missouri River basin from June 4th through June 8th caused another crest to occur along the Missouri River from around its confluence with the Platte River near Plattsmouth, downstream to near Nebraska City. From there the river never did fall below flood stage from late May until the third week of June. Flooding along the Missouri River in Otoe county from this crest began during the morning hours of June 5th. The river near Nebraska City eventually reached a crest of around 22.7 feet at 6 am CDT on June 13th. Flood stage is 18 feet. The river finally dropped below flood stage at Nebraska City during the early evening hours of June 15th. The flooding affected agricultural lowlands and also closed a few county roads in the area.

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### SALINE COUNTY --- 5.5 NNW CRETE [40.70, -97.00], 1.7 W CRETE [40.63, -96.98], 1.5 NNE SHESTAK [40.55, -96.96], 3.5 W WILBER MUNI ARPT [40.47, -97.05], 1.5 W DE WITT [40.40, -96.95], 1.5 NE DE WITT [40.41, -96.90], 1.8 SSW CRETE ARPT [40.60, -96.94], 5.4 N CRETE [40.71, -96.97]

06/05/08 05:00 CST	0	Flood (due to Heavy Rain)
06/14/08 07:30 CST	0	Source: Official NWS Observations

Heavy rain producing thunderstorms that tracked across the Big Blue River basin on June 4th and 5th caused the Big Blue River to flood from near Surprise downstream through Saline county. Flash flooding was observed over sections of the county prior to the Big Blue River flooding, mainly along the Swan Creek basin. Flooding along the Big Blue River in Saline county began during the morning hours of June 5th with the river cresting at Crete at 25.1 feet around 745pm CDT on June 9th. Flood stage is 18 feet. The flooding along the Big Blue River lasted until the early morning hours of June 14th due to additional heavy rain producing thunderstorms on June 7th, 8th and 11th. Minor flooding was also observed along Turkey Creek for several hours on June 7th. The flooding along the Big Blue River closed many county roads and a few roads in Crete as well. Agricultural lowlands were also flooded. It was estimated that 1/3 of the county's 100 roads were affected by flooding.

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### SAUNDERS COUNTY --- 2.1 ENE ASHLAND [41.06, -96.34], 1.7 SSW ASHLAND [41.03, -96.39], 1.3 SSW ITHACA [41.15, -96.56], 2.1 WSW WESTON [41.19, -96.79], 1.2 SE PRAGUE [41.31, -96.80], 2.2 E ITHACA [41.17, -96.51]

06/05/08 06:30 CST	0.28M	Flood (due to Heavy Rain)
06/06/08 12:45 CST	0	Source: Official NWS Observations

Heavy rain fell across parts of the Wahoo Creek basin on June 4th prompting Wahoo Creek and some of its tributaries, including Sand Creek and Cottonwood Creek, to flood for the second time in a week. Additional rain on June 5th prolonged the flooding along the lower reaches of Wahoo Creek. The flooding was observed from west of Wahoo through the Ithaca area and then to near Wahoo Creek's mouth with the Platte River just northeast of Ashland. County roads in the area and also old Highway 77 and part of Highway 92 were closed for a while due to flood waters. The flooding damaged roads, bridges and guardrails and many culverts were clogged with debris. One bridge was lost and 2 approaches had to be rebuilt. Other flooding included agricultural lands and a park near Wahoo. Wahoo Creek at Ithaca crested at 21.2 feet around 315pm CDT on June 5th, flood stage is 19 feet. The creek at Ithaca fell below flood stage a little after midnight on the 6th. Wahoo Creek near Ashland crested at 19.6 feet at 1pm CDT on June 6th, flood stage is also 19 feet. The creek near Ashland fell below flood stage during the early afternoon hours of June 6th. Additional flooding from Salt Creek in the Ashland area caused a bridge over it in town to be closed for much of Thursday June 5th because of high water and debris. The damage total listed was an estimate just for road and bridge repair.

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### NEMAHA COUNTY --- 1.0 NW BROCK [40.49, -95.96], 0.6 S AUBURN [40.39, -95.83], 1.8 WSW NEMAHA [40.32, -95.70], 0.9 SSE NEMAHA [40.32, -95.66], 1.2 NW GLEN ROCK [40.46, -95.89]

06/05/08 07:00 CST	0	Flood (due to Heavy Rain)
06/06/08 06:00 CST	0	Source: Official NWS Observations

Heavy rain that fell across the Little Nemaha River basin on June 4th prompted the Little Nemaha River to flood from around Brock downstream through Auburn and then to its confluence with the Missouri River near Nemaha. Additional rain on June 5th prolonged the flooding along the lower reaches of the river. Highway 136 east of Auburn was flooded as were county roads in the area and agricultural lowlands along the river. The Little Nemaha River at Auburn crested at 24.4 feet around 10pm CDT on June 5th, flood stage is 22 feet. The river at Auburn dropped below flood stage around 7am on June 6th.

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### SARPY COUNTY --- BELLEVUE [41.12, -95.90], 1.3 SSW ST COLUMBANS [41.06, -95.89], 1.7 ESE BELLEVUE [41.11, -95.87], 2.1 NNE BELLEVUE [41.15, -95.89]

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/05/08 08:45 CST		0	Flood (due to Heavy Rain)
	06/06/08 14:45 CST		0	Source: Official NWS Observations

Heavy rain over sections of the Missouri River basin on June 4th and 5th, that eventually brought significant flooding downstream of Sarpy county, caused high water and some flooding along sections of the river in Sarpy county. A camp ground and marina near the river in the southeast part of town was flooded for a while on Thursday June 5th into Friday the 6th.

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**CASS COUNTY --- 2.9 WSW WEEPING WATER [40.86, -96.18], 2.1 S MANLEY [40.89, -96.18], 1.1 SE UNION [40.81, -95.89], 4.1 SSE UNION [40.77, -95.86], 4.2 S UNION [40.76, -95.90]**

06/05/08 12:15 CST	0	Flood (due to Heavy Rain)
06/06/08 00:00 CST	0	Source: Official NWS Observations

Heavy rain on June 4th caused Weeping Water Creek to flood from near Weeping Water through the Union area. The creek at Union reached a 26 foot crest around 315pm CDT on June 5th, flood stage is 25 feet. The flooding affected mainly agricultural lowlands but also flooded a few county roads and properties of several residences. Some equipment in Weeping Water that was being used to build a sidewalk at the community basketball court was also flooded.

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**CASS COUNTY --- 1.9 N PLATTSMOUTH [41.05, -95.90], 2.7 E COLE ARPT [40.98, -95.87], 3.6 ESE MURRAY [40.90, -95.86], 2.1 ENE UNION [40.83, -95.86], 3.9 E UNION [40.82, -95.83], 6.5 ESE MURRAY [40.90, -95.80], 3.9 ESE PLATTSMOUTH [41.00, -95.83], 3.2 NE PLATTSMOUTH [41.05, -95.86]**

06/05/08 13:45 CST	0	Flood (due to Heavy Rain)
06/14/08 11:45 CST	0	Source: Official NWS Observations

Heavy rain over sections of the Missouri River basin on June 4th and 5th caused another crest to occur along the Missouri River from around its confluence with the Platte River near Plattsmouth, downstream to near Nebraska City. From there the river never really did fall below flood stage from late May until the third week of June. Flooding along the Missouri River in Cass county from this crest began during the mid afternoon hours of June 5th. Although the river briefly dropped below flood stage during the overnight hours of June 7th, additional heavy rains on the 7th and early on the 8th pushed the river back above flood stage. The river near Plattsmouth eventually reached a crest of around 31 feet at 415 pm CDT on June 12th. Flood stage is 26 feet. The river finally dropped below flood stage at Plattsmouth during the afternoon hours of June 14th. The flooding affected agricultural lowlands and also closed a few county roads in the area.

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**GAGE COUNTY --- 6.9 NW HOAG [40.39, -96.92], 2.3 SSE HOAG [40.29, -96.81], 2.4 WSW BEATRICE [40.25, -96.77], 1.3 N BLUE SPGS [40.15, -96.67], 2.4 SE HOLMESVILLE [40.18, -96.62], 1.0 NW BEATRICE [40.28, -96.74], 5.5 NNW HOAG [40.39, -96.88]**

06/05/08 21:45 CST	0	Flood (due to Heavy Rain)
06/13/08 00:45 CST	0	Source: Official NWS Observations

Heavy rain producing thunderstorms that tracked across the Big Blue River basin on June 4th and 5th caused the Big Blue River to flood from near Surprise downstream into Gage county near Beatrice. Most of the flooding along the Big Blue River in Gage county began during the late afternoon and evening hours of June 5th. The river crested at Beatrice at 20.1 feet around 6 pm CDT on June 6th. Flood stage is 16 feet. Although the river briefly fell below flood stage on the 7th, additional heavy rain producing thunderstorms on June 7th and 8th brought the river back up above flood stage at Beatrice with a second crest of 17 feet observed during the late evening hours of June 11th. The river finally dropped below flood stage at Beatrice a little after midnight on the 14th. The flooding in Gage county along the Blue River affected a park and a few roads in the Beatrice area and also closed a few county roads southeast of DeWitt. Agricultural lowlands were also flooded.

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**SEWARD COUNTY --- 2.4 ESE KRUTZ ARPT [40.90, -97.04], 5.8 NNW STAPLEHURST [41.05, -97.22], 3.6 NNW UTICA [40.93, -97.35], 3.6 SE GOEHNER [40.80, -97.17], 2.5 SSE GROVER [40.75, -97.01]**

06/06/08 09:15 CST	0	Flood (due to Heavy Rain)
06/10/08 17:00 CST	0	Source: Official NWS Observations

Heavy rain producing thunderstorms that tracked across the Big Blue River basin on June 4th and 5th caused the Big Blue River to flood from near Surprise downstream into Seward county and then south into Saline and Gage counties. Flooding along the Big Blue River in Seward county began during the late morning hours of June 6th with the river cresting at Seward at 22.4 feet around 1230 am CDT on June 7th. Flood stage is 18 feet. The flooding lasted until the early evening hours of June 10th due to additional heavy rain producing thunderstorms on June 7th and 8th. The flooding closed many county roads along the river in Seward County. Especially hard hit was the area near the Big Blue's confluence with Lincoln Creek and Plum Creek which were also in flood during this time. The fairgrounds area in Seward sustained flooding, including a reception hall. About 43,000 acres of farmland was flooded in Seward county. Large cottonwood trees were uprooted and substantial bank erosion occurred when the flood waters encountered an old partially destroyed dam south of Milford. The flood waters also tipped over several center pivots and damaged farm outbuildings.

**A stationary front over Kansas started lifting north on June 4th as an unseasonably strong upper level low pressure system was organizing over the central Rockies. This allowed very warm and unstable air to feed north into southern Nebraska and southwest Iowa during the afternoon on the 4th. Severe thunderstorms that developed by early afternoon on June 4 over central Nebraska quickly spread and developed into eastern Nebraska and southwest Iowa through evening. A few tornadic producing supercells developed over the area...and many of the storms contained very heavy rain which fell on soils that were already saturated from significant rains recorded over the prior week. This caused areas of flash flooding and subsequent river flooding.**

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]</b>				
	06/05/08 10:30 CST		0	Hail (0.75 in)
	06/05/08 10:30 CST		0	Source: COOP Observer
<b>PIERCE COUNTY --- PIERCE [42.20, -97.53]</b>				
	06/05/08 10:30 CST		0	Hail (0.88 in)
	06/05/08 10:30 CST		0	Source: Law Enforcement
<b>PIERCE COUNTY --- PIERCE [42.20, -97.53]</b>				
	06/05/08 10:49 CST		0	Hail (0.88 in)
	06/05/08 10:49 CST		0	Source: Law Enforcement
<b>PIERCE COUNTY --- 2.3 NNW HADAR [42.13, -97.47]</b>				
	06/05/08 11:04 CST		0	Hail (1.50 in)
	06/05/08 11:04 CST		0	Source: Trained Spotter
Hail that approached golfball-size fell between Pierce and Hadar. The hail damaged crops and vehicles in the area.				
<b>CEDAR COUNTY --- 0.5 E COLERIDGE [42.50, -97.19]</b>				
	06/05/08 11:33 CST		0	Hail (1.75 in)
	06/05/08 11:33 CST		0	Source: Law Enforcement
<b>GAGE COUNTY --- 0.7 S LIBERTY [40.07, -96.48]</b>				
	06/05/08 16:55 CST		0	Hail (0.88 in)
	06/05/08 16:55 CST		0	Source: Trained Spotter
<b>ANTELOPE COUNTY --- 10.0 NE ORCHARD [42.43, -98.11]</b>				
	06/05/08 17:20 CST		0	Thunderstorm Wind (EG 60 kt)
	06/05/08 17:20 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at 70 mph uprooted a few trees and broke windows out of a house on a farmstead northeast of Orchard.				
<b>NEMAHA COUNTY --- 9.5 SSW JOHNSON [40.29, -96.06], 7.0 SSW JOHNSON [40.33, -96.05]</b>				
	06/05/08 17:20 CST		0	Tornado (EF1, L: 2.58 mi , W: 100 yd)
	06/05/08 17:24 CST		0	Source: Emergency Manager
A supercell thunderstorm caused cyclic tornadic activity southwest of Johnson . This tornado caused tree and farm outbuilding damage along its path. As this tornado was dissipating, another one formed to the east. Eyewitnesses stated they saw both tornadoes on the ground at the same time for a while. The supercell thunderstorm then spun up a third tornado a mile southwest of Johnson.				
<b>NEMAHA COUNTY --- 9.5 SSW JOHNSON [40.29, -96.06], 3.0 S JOHNSON [40.38, -96.01]</b>				
	06/05/08 17:23 CST		0	Tornado (EF1, L: 6.52 mi , W: 220 yd)
	06/05/08 17:32 CST		0	Source: Emergency Manager
A supercell thunderstorm caused cyclic tornadic activity southwest of Johnson . As one tornado to the west was dissipating this one formed. Eyewitnesses stated they saw both tornadoes on the ground at the same time for a while. This tornado caused damage to several farmsteads southwest of Johnson. A barn was blown down at one farmstead and other farm outbuildings and trees sustained major damage along its track . Two houses also had some roof damage. This supercell thunderstorm then spun up a third tornado a mile southwest of Johnson after this tornado had lifted or dissipated.				
<b>ANTELOPE COUNTY --- 4.6 W CLEARWATER [42.17, -98.27]</b>				
	06/05/08 17:26 CST		0	Hail (0.75 in)
	06/05/08 17:26 CST		0	Source: Law Enforcement
<b>NEMAHA COUNTY --- 2.0 SW JOHNSON [40.40, -96.03], 1.3 SW JOHNSON [40.41, -96.02]</b>				
	06/05/08 17:35 CST		0	Tornado (EF1, L: 0.69 mi , W: 100 yd)
	06/05/08 17:37 CST		0	Source: Emergency Manager

A tornado destroyed caused tree and outbuilding damage to a farmstead about a mile southwest of Johnson . This was the 3rd tornado that formed from this supercell thunderstorm that tracked across the county. Even though the tornado lifted before it hit Johnson, wind from the storm knocked down power lines from near Johnson to Brock, which is several miles northeast of Johnson. The downed power lines caused the town of Brock to lose power.



## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NEMAHA COUNTY --- 4.0 SW BROCK [40.44, -96.00], 1.4 WNW BROCK [40.49, -95.97]</b>				
	06/05/08 17:35 CST		0	Thunderstorm Wind (EG 60 kt)
	06/05/08 17:40 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at 60 to 70 mph caused scattered farm outbuilding damage from near Johnson to near Brock. Power lines were also downed from the storm along Highway 67 which caused its closure and knocked power out in Brock. The winds were from the supercell thunderstorm that produced 3 tornadoes southwest of Johnson.				
<b>KNOX COUNTY --- 3.7 NE VENUS [42.46, -98.24]</b>				
	06/05/08 17:41 CST		0	Thunderstorm Wind (EG 61 kt)
	06/05/08 17:41 CST		0	Source: Public
Thunderstorm winds estimated at 70 mph downed trees and blew windows out of a house west of Creighton.				
<b>RICHARDSON COUNTY --- 0.7 N SHUBERT [40.24, -95.68]</b>				
	06/05/08 17:48 CST		0	Hail (1.00 in)
	06/05/08 17:48 CST		0	Source: Trained Spotter
<b>KNOX COUNTY --- 2.6 WSW CENTER [42.61, -97.92]</b>				
	06/05/08 17:52 CST		0	Hail (0.75 in)
	06/05/08 17:52 CST		0	Source: Law Enforcement
<b>CEDAR COUNTY --- 0.5 W RANDOLPH [42.38, -97.36]</b>				
	06/05/08 18:32 CST		0	Thunderstorm Wind (EG 52 kt)
	06/05/08 18:32 CST		0	Source: Emergency Manager
<b>RICHARDSON COUNTY --- 1.5 S PRESTON [40.01, -95.52], 0.9 SE PRESTON [40.02, -95.51]</b>				
	06/05/08 18:33 CST		0	Tornado (EF0, L: 1.29 mi , W: 100 yd)
	06/05/08 18:35 CST		0	Source: NWS Storm Survey
A brief tornado caused scattered tree and farm outbuilding damage southeast of Falls City . Another tornado, stronger and longer lived, formed several miles to the north of this one from the same supercell thunderstorm.				
<b>RICHARDSON COUNTY --- 3.0 E (FNB)BRENER FLD FALL [40.08, -95.52], 5.4 E BARADA [40.21, -95.48]</b>				
	06/05/08 18:39 CST		0	Tornado (EF2, L: 8.67 mi , W: 880 yd)
	06/05/08 18:49 CST		0	Source: Trained Spotter
This tornado started approximately 4 miles east of Falls City and traveled north northeast. Soon after the initial touchdown there was damage to the roof of a home and a church. The tornado then produced tree damage before blowing the roof off of a home and destroying several sheds and barns at another farmstead. Other tree, house, outbuilding and power pole damage was observed along its path before it crossed the Missouri River into Holt county Missouri. The damage path reached a half mile wide where high tension power poles were snapped northeast of Falls City.				
<b>SEWARD COUNTY --- 0.9 S KRUTZ ARPT [40.91, -97.08], 1.1 W SEWARD [40.90, -97.12], 6.0 W STAPLEHURST [40.97, -97.28], 1.6 WNW STAPLEHURST [40.98, -97.20]</b>				
	06/05/08 21:30 CST		0	Flood (due to Heavy Rain)
	06/12/08 06:30 CST		0	Source: Official NWS Observations
Heavy rain from thunderstorms on June 4th and 5th caused Lincoln Creek to flood across Seward county from west of Staplehurst to its confluence with the Big Blue River near Seward. The flooding was prolonged by additional heavy rain producing thunderstorms on June 7th, 8th and 11th. The creek at Seward reached a 17.7 foot crest around 2am CDT on June 7th and a 17.5 foot crest around 7am CDT on the 9th. Flood stage is 15 feet. The flooding closed several county roads, especially near its confluence with the Big Blue River which was also in flood or running quite high. Agricultural lowlands were also flooded. Flooding along Lincoln Creek started late in the Day on June 6th and lasted until the morning hours of June 12th.				
<b>KNOX COUNTY --- 4.4 W VERDEL [42.82, -98.29], 4.2 WNW VERDEL [42.84, -98.28], 1.9 E VERDEL [42.82, -98.16], 2.2 ESE VERDEL [42.80, -98.16]</b>				
	06/06/08 03:15 CST		0	Flood (due to Heavy Rain)
	06/07/08 17:15 CST		0	Source: Newspaper
Heavy rain fell across the Ponca Creek basin on Wednesday June 4, with an additional 2 to 4 inches reported across the upper sections of the basin on Thursday June 5. The rain caused Ponca Creek to flood along Highway 12 in the Verdel area on Friday and Saturday June 6 and 7th. Farm fields and county roads in the area were also flooded.				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CASS COUNTY --- LOUISVILLE [41.00, -96.15], 2.4 ESE SOUTH BEND [40.99, -96.21], 1.9 ENE SOUTH BEND [41.01, -96.21], 1.8 WNW CEDAR CREEK [41.04, -96.13], 0.8 NNW CEDAR CREEK [41.04, -96.11]</b>				
	06/06/08 09:15 CST		0	Flood (due to Heavy Rain)
	06/06/08 18:30 CST		0	Source: Official NWS Observations
Additional heavy rain producing thunderstorm fell across parts of the Platte River basin on June 4th and 5th. This caused the already high Platte River to briefly go over its banks around the Louisville area from late morning until early evening on June 6th. The river at Louisville crested around 9.2 feet at 345 pm on June 6th, flood stage is 9 feet. The flooding affected mainly just agricultural lowlands.				
<b>A warm front and low pressure system over northern Kansas lifted northeast into southeast Nebraska and southwest Iowa as an unseasonably strong upper level low pressure system lifted from the Rockies into the northern plains. The front and upper level disturbance caused fast moving thunderstorms, a few severe, to develop during the late morning hours in northeast Nebraska. After a brief lull in the activity through early afternoon, additional thunderstorms developed over eastern Nebraska. The storms developed along 2 lines, one extended north of Columbus while the other stretched from southeast Nebraska into southwest Iowa. Several of the storms turned severe, including one supercell that produced an EF2 tornado in extreme southeast Nebraska. Besides the severe weather, a few of the thunderstorms produced additional areas of heavy rain that fell on saturated soils and caused some already high rivers to flood.</b>				
<b>BOONE COUNTY --- 2.9 SW PETERSBURG [41.82, -98.12]</b>				
	06/07/08 21:17 CST		0	Hail (0.75 in)
	06/07/08 21:17 CST		0	Source: Law Enforcement
<b>MADISON COUNTY --- MADISON [41.83, -97.47]</b>				
	06/07/08 22:00 CST		0	Thunderstorm Wind (EG 50 kt)
	06/07/08 22:00 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated around 60 mph downed numerous branches in Madison, knocked over a large tree and blew a trampoline across a street causing moderate damage.				
<b>ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]</b>				
	06/07/08 22:25 CST		0	Hail (0.75 in)
	06/07/08 22:25 CST		0	Source: COOP Observer
<b>BOONE COUNTY --- 5.7 SSE CLOSTER [41.81, -97.84]</b>				
	06/07/08 22:58 CST		0	Hail (0.88 in)
	06/07/08 22:58 CST		0	Source: Law Enforcement
<b>MADISON COUNTY --- 5.3 NNW NEWMAN GROVE [41.82, -97.82]</b>				
	06/07/08 22:58 CST		0	Hail (0.88 in)
	06/07/08 22:58 CST		0	Source: Law Enforcement
<b>BOONE COUNTY --- 3.6 WSW BOONE [41.62, -98.00], 2.5 ESE BOONE [41.62, -97.88], 1.5 NNE BOONE [41.65, -97.92], 3.3 S ALBION [41.65, -98.00]</b>				
	06/07/08 23:00 CST		0	Flash Flood (due to Heavy Rain)
	06/08/08 02:00 CST		0	Source: Law Enforcement
Heavy rain during the evening and overnight hours of June 7th and 8th caused flash flooding from around Boone west across Highway 14 south of Albion. The flooding prompted the brief closing of Highway 14. The flooding also closed a few county roads in the area and flooded agricultural lowlands.				
<b>STANTON COUNTY --- PILGER [42.02, -97.05]</b>				
	06/07/08 23:30 CST		0	Thunderstorm Wind (EG 50 kt)
	06/07/08 23:30 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at close to 60 mph downed several large tree limbs onto streets in the Pilger area.				
<b>THURSTON COUNTY --- 0.7 ESE PENDER MUNI ARPT [42.12, -96.72]</b>				
	06/08/08 00:00 CST		0	Thunderstorm Wind (EG 55 kt)
	06/08/08 00:10 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph caused substantial damage at a golf course just northwest of Pender. About 10 trees on the course were downed or severely damaged, and a maintenance building also sustained damage.				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>THURSTON COUNTY --- 1.2 SE PENDER [42.11, -96.69], 1.2 SSW PENDER MUNI ARPT [42.10, -96.74], 1.8 SSW PENDER MUNI ARPT [42.10, -96.74], 1.6 SSE PENDER [42.10, -96.69]</b>				
	06/08/08 00:00 CST		5K	Flash Flood (due to Heavy Rain)
	06/08/08 02:00 CST		0	Source: Law Enforcement
Heavy rain during the evening and overnight hours of June 7th and 8th caused flash flooding around the Jct of Highways 9 and 16 near Pender. The water caused debris to be washed onto the road and bridge and prompted its closure for a while. Damage was mainly reserved to debris cleanup.				
<b>SEWARD COUNTY --- STAPLEHURST [40.97, -97.17]</b>				
	06/08/08 00:10 CST		0	Hail (0.75 in)
	06/08/08 00:10 CST		0	Source: Law Enforcement
<b>SEWARD COUNTY --- 0.7 N SEWARD [40.91, -97.10]</b>				
	06/08/08 00:16 CST		0	Hail (1.75 in)
	06/08/08 00:16 CST		0	Source: Law Enforcement
<b>SARPY COUNTY --- 1.6 WSW GRETN A [41.14, -96.28], 1.1 NE CHALCO [41.19, -96.14]</b>				
	06/08/08 01:10 CST		0	Tornado (EF2, L: 8.11 mi , W: 440 yd)
	06/08/08 01:22 CST		0	Source: NWS Storm Survey
This was the first touchdown of 2 tornadoes that hit the Omaha metro area this night. Tornado number 1 started just southeast of 232ND and West Angus Road about a mile west of Gretna. A garage was demolished at this point, suggesting EF1 damage. The tornado moved east northeast at 45 mph and produced scattered EF0 damage in Gretna with tree and shingle damage noted. From there tornado number 1 continued northeast to near 156th and Giles Road. EF 2 damage was noted just southwest of that point with major roof damage to a home. The tornado then crossed over into the Millard area of Douglas county where it continued for about 3 more miles before merging with tornado number 2. Tornado 1 also caused EF2 damage in Douglas county with much of it concentrated in the vicinity of 137th and Y Streets.				
The tornadoes spun up on the leading edge of a bow echo that gathered strength as it raced through the Omaha metropolitan area. More than 500 homeowners reported damage from the storm and OPPD reported that 13,800 customers lost power.				
<b>SARPY COUNTY --- 2.0 NE GRETN A [41.17, -96.22]</b>				
	06/08/08 01:10 CST		0	Thunderstorm Wind (MG 55 kt)
	06/08/08 01:10 CST		0	Source: NWS Employee
Taken from wind equipment from the home of a meteorologist. This was from the bow echo that spun up 2 tornadoes, with the first one touching down a few miles southwest of this location at about this time.				
<b>DOUGLAS COUNTY --- 4.4 SW LANE [41.20, -96.24], 2.1 NE MILLARD [41.24, -96.09]</b>				
	06/08/08 01:12 CST		0	Tornado (EF1, L: 8.07 mi , W: 440 yd)
	06/08/08 01:27 CST		0	Source: NWS Storm Survey
This is the second tornado to cause damage to the Omaha metro area this night. Tornado number 2 first touched down just southwest of 204th and Q Streets and produced EF1 damage to the roof and decking of a home. The tornado produced mainly EF0 damage as it moved east, passing just south of Zorinsky Lake and just southeast of Oak View Mall. Tornado number 2 then merged with tornado number 1 near 132nd and Westwood Lane and then continued on to around 114th and Shirley Streets. Minor structure damage, tree damage and lifted shingles compromised most of the damage with this tornado. Although the track of this tornado in Douglas county was longer than Tornado number 1, the more significant damage occurred with the first tornado.				
The tornadoes spun up on the leading edge of a bow echo that gathered strength and raced through the Omaha metropolitan region. OPPD stated that 13,800 customers lost power from the storm. More than 500 home owners reported damage.				
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]</b>				
	06/08/08 01:20 CST		0	Thunderstorm Wind (EG 50 kt)
	06/08/08 01:20 CST		0	Source: Trained Spotter
A large tree branch was downed near 120th and Blondo Streets by thunderstorm wind gusts estimated at 60 mph.				
<b>DOUGLAS COUNTY --- 1.1 SW OMAHA MILLARD ARPT [41.19, -96.14], 0.6 N MILLARD [41.23, -96.12]</b>				
	06/08/08 01:22 CST		0	Tornado (EF2, L: 2.71 mi , W: 440 yd)
	06/08/08 01:25 CST	3	0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>This is the continuation of tornado number 1 (of 2) to hit the Omaha metro area this night. Tornado number 1 crossed over from Sarpy county near 144th and Harrison Streets before merging with tornado number 2 just east of 132nd and Westwood Lane. From there the merged tornado continued northeast to near 114th and Shirley Streets. Tornado number 1 traveled at about 50 mph in Douglas county. Tornado number 1 produced EF2 damage in both Douglas and Sarpy counties. Although tree and roof damage was noted along most of the track, the area hardest hit in Douglas county was around 137th and Y Streets. A few homes had their roofs completely blown off in this area, while others had significant roof and siding damage. The tornado then hit a Walmart, Sams Club and Home Depot causing damage to each of those businesses after it crossed L Street.</p>				

Tornado number 1 first set down just southeast of 232nd and West Angus Road about a mile west of Gretna in Sarpy county. It traveled about 8 miles in Sarpy county before crossing into Douglas county.

The tornadoes spun up on the leading edge of a bow echo that gathered strength and raced through the Omaha metropolitan region. OPPD reported that 13,800 customers lost power from the storm. In total, more than 500 homeowners reported damage from the storm and according to FEMA, 7 homes were destroyed and 21 others sustained major damage.

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### DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]

06/08/08 01:35 CST	0	Thunderstorm Wind (EG 61 kt)
06/08/08 01:35 CST	0	Source: NWS Employee

A thunderstorm wind gust was estimated at 70 mph by an off duty NWS employee. The winds were from the bow echo that spun up 2 tornadoes that apparently had lifted by the time it reached this location.

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### MADISON COUNTY --- BATTLE CREEK [42.00, -97.60], 1.3 NNW BATTLE CREEK [42.02, -97.61], 2.6 SW BATTLE CREEK [41.97, -97.63], 1.9 S BATTLE CREEK [41.97, -97.60]

06/08/08 02:41 CST	0	Flash Flood (due to Heavy Rain)
06/08/08 04:41 CST	0	Source: Law Enforcement

Heavy rain caused flash flooding which closed Highway 121 and many county roads around Battle Creek as well as a few streets in Battle Creek. Basements in town were flooded. Unofficial reports of 3 to 4 inches of rain fell from this storm in Battle Creek, and Norfolk, just to the east of town, received 3 inches of rain in about a 3 hour period leading up to the flooding.

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### MADISON COUNTY --- 1.9 SW BATTLE CREEK [41.98, -97.63], 1.1 NNW BATTLE CREEK [42.01, -97.61], 1.1 NNE BATTLE CREEK [42.01, -97.59], 1.0 SSE BATTLE CREEK [41.99, -97.59], 1.3 S BATTLE CREEK [41.98, -97.60]

06/08/08 04:41 CST	0	Flood (due to Heavy Rain)
06/08/08 17:41 CST	0	Source: Newspaper

Battle Creek continued to rise in the Battle Creek area into Sunday afternoon June 8th. This kept several roads in town including Highway 121 closed until around evening. The flood waters tried going through the town park as it attempted to get to the Elkhorn River. So despite sandbags placed around many homes in the area, quite a few residents on the east side of town had their basements flooded.

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### PLATTE COUNTY --- LINDSAY [41.70, -97.70], 1.8 NE PLATTE CENTER [41.55, -97.47], 2.9 WSW PLATTE CENTER [41.52, -97.55], 2.3 WSW LINDSAY [41.69, -97.74]

06/08/08 05:00 CST	0	Flood (due to Heavy Rain)
06/09/08 18:00 CST	0	Source: Newspaper

Heavy rain during the overnight hours of June 7th/8th caused Shell Creek to flood from around the Lindsay area to near Platte Center. Besides flooding agricultural lowlands, almost every road that intersected the creek was closed due to flood waters.

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### BOONE COUNTY --- LORETTO [41.77, -98.08], 1.1 W LORETTO [41.77, -98.10], 1.8 W ALBION [41.70, -98.03], 0.9 WSW ST EDWARD [41.56, -97.89], 2.3 NE ST EDWARD [41.59, -97.83]

06/08/08 06:15 CST	0	Flood (due to Heavy Rain)
06/08/08 11:45 CST	0	Source: Official NWS Observations

Heavy rain that fell over northeast Nebraska on June 7th and 8th caused Beaver Creek or its tributaries to flood for the second time in little over a week from Loretto downstream to around St. Edward. The creek at Loretto hit a crest of 9.9 feet around 10 am CDT on June 8th, flood stage is 9 feet. The flooding from either this storm or the one on June 4th washed out approaches to two county roads. County roads and agricultural lowlands in the area were also flooded.

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### CUMING COUNTY --- 1.4 NNE WEST PT [41.85, -96.71], 5.3 SSW KNEVEL ARPT [41.75, -96.67], 5.2 SE MONTEREY [41.74, -96.76], 4.3 NW WEST PT [41.87, -96.78], 2.7 W WISNER [41.98, -96.98], 3.2 N WISNER [42.03, -96.93]

06/08/08 23:15 CST	0	Flood (due to Heavy Rain)
06/09/08 10:15 CST	0	Source: Official NWS Observations

Heavy rain that fell over northeast Nebraska on June 7th and 8th caused the Elkhorn River to flood from west of Wisner downstream through West Point. The river at West Point crested at 12.4 feet around 1015am CDT on 6/9, flood stage is 12 feet. The flooding affected mainly just agricultural lowlands.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CASS COUNTY --- 3.0 NW SOUTH BEND [41.03, -96.29], 2.5 WNW SOUTH BEND [41.01, -96.30], 2.3 WSW LOUISVILLE [40.99, -96.19], 1.6 NE LOUISVILLE [41.02, -96.13]</b>				
	06/09/08 15:00 CST		0	Flood (due to Heavy Rain)
	06/10/08 12:30 CST		0	Source: Official NWS Observations

Areas of heavy rain continued to fall across the Platte River basin during the first week of June, culminating with heavy rain producing thunderstorms late on June 7th and early on the 8th. This caused another round of flooding along the Platte River from mid afternoon on June 9th through early afternoon on the 10th from just northeast of Ashland downstream through the Louisville area. The Platte River reached a crest of 20.4 at Ashland around 230am CDT on June 10, flood stage is 20 feet. The river crested at 9.1 feet at Louisville around 515am on June 10, flood stage at Louisville is 9 feet. The flooding affected mainly just agricultural bottom-lands.

<b>SARPY COUNTY --- 7.5 SSW GRETN [41.05, -96.32], 2.0 W MEADOW [41.03, -96.21], 1.9 SSE SPRINGFIELD [41.06, -96.11], 1.4 SE LOUISVILLE STATION [41.02, -96.13], 2.9 SSW MEADOW [40.99, -96.19], 6.7 WSW MEADOW [41.01, -96.30]</b>				
	06/09/08 15:00 CST		0	Flood (due to Heavy Rain)
	06/10/08 12:30 CST		0	Source: Official NWS Observations

Areas of heavy rain continued to fall across the Platte River basin during the first week of June, culminating with heavy rain producing thunderstorms late on June 7th and early on the 8th. This caused another round of flooding along the Platte River from mid afternoon on June 9th through early afternoon on the 10th from just northeast of Ashland downstream through the Louisville area. The Platte River reached a crest of 20.4 at Ashland around 230am CDT on June 10, flood stage is 20 feet. The river crested at 9.1 feet at Louisville around 515am on June 10, flood stage at Louisville is 9 feet. The flooding affected mainly just agricultural bottom-lands.

As one unseasonably strong upper level system lifted into Canada another one dropped down behind it across the northern Plains. This caused surface low pressure to develop over northeast Kansas along a cold front that was crossing the plains. This in turn caused the front to slow down as it moved into southeast Nebraska and southwest Iowa. A small line of thunderstorms that had developed along the front moved ahead of it and encountered a strong low level jet. The combination of the low level jet, and a warm front that extended east of the low, strengthened the line segment just to the southwest of Omaha and causing it to bow out. In turn a few quick moving spin-up circulations and 2 tornadoes developed as the bow echo crossed the Omaha area. Although these tornadoes hit in the middle of the night and caused significant damage in the Omaha area, there were no deaths or serious injuries with the storm. The system also produced areas of heavy rain which caused some flash flooding and then eventual river flooding.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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**Roof and wall off a home in Millard**

*Substantial damage to a home in the Millard area from a late night tornado that struck the Omaha area on June 8, 2008.*

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### NEMAHA COUNTY --- 2.3 SSW HOWE [40.29, -95.84]

06/09/08 16:55 CST	0	Hail (0.88 in)
06/09/08 17:10 CST	0	Source: Trained Spotter

Hail up to nickel size fell for about 15 minutes.

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### RICHARDSON COUNTY --- 0.7 N (FNB)BRENER FLD FALL [40.09, -95.58]

06/09/08 17:30 CST	0	Hail (1.75 in)
06/09/08 17:30 CST	0	Source: Emergency Manager

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### RICHARDSON COUNTY --- RULO [40.05, -95.43]

06/09/08 18:18 CST	0	Hail (0.75 in)
06/09/08 18:18 CST	0	Source: Trained Spotter

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### DODGE COUNTY --- 0.9 SE SCRIBNER [41.66, -96.66]

06/09/08 18:32 CST	0	Hail (1.00 in)
06/09/08 18:32 CST	0	Source: Trained Spotter

Cool temperatures aloft, courtesy of several upper level disturbances that were tracking across the plains, combined with afternoon heating to produce a few severe thunderstorms across southeast Nebraska and western Iowa.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CASS COUNTY --- 0.5 W LOUISVILLE [41.00, -96.16]</b>				
	06/11/08 02:25 CST		0	Hail (0.75 in)
	06/11/08 02:25 CST		0	Source: Trained Spotter
Near the intersection of 120th and Church.				
<b>SARPY COUNTY --- 0.9 SE AVERY [41.16, -95.92]</b>				
	06/11/08 02:35 CST		0	Hail (1.00 in)
	06/11/08 02:35 CST		0	Source: Public
Near the intersection of 36th and Highway 370.				
<b>SARPY COUNTY --- 0.9 SE PAPILLION [41.16, -96.04]</b>				
	06/11/08 02:40 CST		0	Hail (1.00 in)
	06/11/08 02:40 CST		0	Source: Trained Spotter
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]</b>				
	06/11/08 02:43 CST		0	Hail (1.00 in)
	06/11/08 02:43 CST		0	Source: Law Enforcement
Near the intersection of 156th and Maple Streets.				
<b>WASHINGTON COUNTY --- 0.7 S FT CALHOUN [41.46, -96.03]</b>				
	06/11/08 02:45 CST		0	Hail (0.75 in)
	06/11/08 02:45 CST		0	Source: Law Enforcement
<b>BURT COUNTY --- 0.9 NE LYONS [41.94, -96.47]</b>				
	06/11/08 03:30 CST		0	Hail (0.75 in)
	06/11/08 03:30 CST		0	Source: Public
<b>CEDAR COUNTY --- 5.3 ENE HARTINGTON MUNI ARPT [42.62, -97.15]</b>				
	06/11/08 03:45 CST		0	Hail (1.00 in)
	06/11/08 03:45 CST		0	Source: Public
A very strong and unseasonably cold upper level low pressure system that was tracking across the northern plains brought a strong low level jet to the region during the early morning hours of June 11th. The warm and unstable air that worked north into the region helped spawn early morning severe thunderstorms across eastern Nebraska and southwest Iowa.				
<b>BURT COUNTY --- 0.9 NE LYONS [41.94, -96.47]</b>				
	06/11/08 16:20 CST		0	Hail (0.75 in)
	06/11/08 16:20 CST		0	Source: Trained Spotter
<b>SAUNDERS COUNTY --- 2.1 W VALPARAISO [41.08, -96.87]</b>				
	06/11/08 16:39 CST		0	Hail (0.75 in)
	06/11/08 16:39 CST		0	Source: Public
<b>DODGE COUNTY --- 1.2 SE WINSLOW [41.61, -96.50]</b>				
	06/11/08 16:55 CST		0	Thunderstorm Wind (EG 50 kt)
	06/11/08 16:55 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at around 60 mph knocked down large tree branches in the Winslow area.				
<b>BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22]</b>				
	06/11/08 17:05 CST		0	Thunderstorm Wind (EG 50 kt)
	06/11/08 17:05 CST		0	Source: Public
Thunderstorm wind gusts estimated at 60 mph knocked down large tree limbs and a few trees in the Tekamah area.				
<b>DOUGLAS COUNTY --- 0.5 W RALSTON [41.20, -96.04]</b>				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/11/08 17:15 CST		0	Thunderstorm Wind (EG 50 kt)
	06/11/08 17:15 CST		0	Source: COOP Observer
Thunderstorm wind gusts estimated at 60 mph downed a tree in the Ralston area.				
<b>SAUNDERS COUNTY --- 2.9 ENE WESTON [41.22, -96.70]</b>				
	06/11/08 17:15 CST		0	Hail (0.88 in)
	06/11/08 17:25 CST		0	Source: Amateur Radio
Hail that was around nickel size lasted for about 10 minutes.				
<b>BURT COUNTY --- 2.0 ESE ARIZONA [41.80, -96.12], 2.8 E ARIZONA [41.81, -96.10]</b>				
	06/11/08 17:25 CST		0	Tornado (EF1, L: 1.27 mi , W: 440 yd)
	06/11/08 17:27 CST		0	Source: NWS Storm Survey
The tornado initially touched down in Burt county Nebraska about 4.5 miles west of Little Sioux Iowa. Center pivot irrigation systems were flipped and trees sustained damage in the area. Fallen tree limbs damaged homes and blocked roads and some roof damage and broken windows were noted. The storm tracked northeast and crossed the Missouri River and Interstate 29 near mile marker 97, continuing into Harrison county Iowa. The total path length was around 14 miles and it eventually achieved EF3 strength when it hit a boyscout camp in Monona county Iowa where 4 fatalities and 48 injuries occurred.				
<b>DOUGLAS COUNTY --- 1.5 E MERCER [41.38, -96.40]</b>				
	06/11/08 17:30 CST		0	Hail (0.88 in)
	06/11/08 17:30 CST		0	Source: Amateur Radio
Near North 312th and Highway 36.				
<b>SAUNDERS COUNTY --- 2.1 SW YUTAN [41.23, -96.43], 1.0 E MEAD [41.23, -96.48], 1.4 NE MEAD [41.24, -96.48], 2.0 WSW YUTAN [41.24, -96.44]</b>				
	06/11/08 17:30 CST		0	Flash Flood (due to Heavy Rain)
	06/11/08 19:30 CST		0	Source: Amateur Radio
Rainfall of 2 to 3 inches fell in a 2 to 3 hour period across sections of Saunders county. The heavy rain produced flash flooding across Highway 92 east of Mead and also flooded farmland in the area.				
<b>DOUGLAS COUNTY --- 0.5 W VALLEY [41.32, -96.36]</b>				
	06/11/08 17:39 CST		0	Hail (0.75 in)
	06/11/08 17:39 CST		0	Source: NWS Employee
At the NWS Valley office.				
<b>DOUGLAS COUNTY --- 2.1 E ELK CITY [41.37, -96.24], 2.1 E ELK CITY [41.37, -96.24]</b>				
	06/11/08 17:59 CST		0	Tornado (EF0, L: 0.12 mi , W: 40 yd)
	06/11/08 18:00 CST		0	Source: Fire Department/Rescue
A brief tornado caused tree damage around 6 miles north of Elkhorn.				
<b>DOUGLAS COUNTY --- 0.7 N BENNINGTON [41.38, -96.17]</b>				
	06/11/08 18:00 CST		0	Thunderstorm Wind (EG 52 kt)
	06/11/08 18:00 CST		0	Source: Public
Thunderstorm winds estimated at 60 mph blew patio chairs into a window causing it to break and also blew a pontoon boat two houses down near Bennington.				
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]</b>				
	06/11/08 18:00 CST		0	Hail (1.00 in)
	06/11/08 18:00 CST		0	Source: Law Enforcement
Quarter size hail reported at the intersection of 168th and Bennington.				
<b>LANCASTER COUNTY --- 1.0 S GARRATT [40.87, -96.75]</b>				
	06/11/08 18:05 CST		0	Thunderstorm Wind (EG 50 kt)
	06/11/08 18:05 CST		0	Source: Trained Spotter
Large tree limbs were reported downed on the northwest edge of Lincoln by thunderstorm wind gusts estimated at 60 mph.				



## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LANCASTER COUNTY --- 1.1 E WEST LINCOLN [40.83, -96.70]</b>				
	06/11/08 18:12 CST		0	Hail (1.00 in)
	06/11/08 18:12 CST		0	Source: Trained Spotter
<b>DOUGLAS COUNTY --- 1.6 NNE SOUTH OMAHA [41.25, -95.94]</b>				
	06/11/08 18:30 CST		0	Heavy Rain
	06/11/08 19:30 CST		0	Source: Newspaper
Heavy rain caused a roof of a storage building to collapse in east Omaha damaging a truck, trailer and granite supplies. Rainfall at Eppley from the storm was around 2.25 inches. The heavy rain also caused flash flooding across the city.				
<b>SALINE COUNTY --- 0.5 E DORCHESTER [40.65, -97.11]</b>				
	06/11/08 18:37 CST		0	Hail (1.00 in)
	06/11/08 18:37 CST		0	Source: Trained Spotter
<b>CASS COUNTY --- 0.9 SW GREENWOOD [40.96, -96.44], 0.7 SSW GREENWOOD [40.96, -96.44]</b>				
	06/11/08 18:39 CST		0	Tornado (EF0, L: 0.22 mi , W: 40 yd)
	06/11/08 18:41 CST		0	Source: Public
A brief tornado touchdown caused mainly tree damage on the east edge of Greenwood.				
<b>CASS COUNTY --- 0.9 SW GREENWOOD [40.96, -96.44]</b>				
	06/11/08 18:48 CST		0	Hail (1.75 in)
	06/11/08 18:48 CST		0	Source: Emergency Manager
Near 310th and Church Road.				
<b>CASS COUNTY --- 3.3 SW LOUISVILLE [40.97, -96.20], 1.3 WSW CEDAR CREEK [41.02, -96.12]</b>				
	06/11/08 18:50 CST		0	Tornado (EF1, L: 5.36 mi , W: 80 yd)
	06/11/08 19:00 CST		0	Source: Law Enforcement
A tornado did intermittent damage from 3 miles southwest of Louisville to 2 miles southwest of Cedar Creek. Scattered tree damage was reported in this area and some farm outbuildings were destroyed. A mobile home southwest of Cedar Creek was moved 8 inches off of its foundation.				
<b>LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69]</b>				
	06/11/08 18:55 CST		0	Hail (0.75 in)
	06/11/08 18:55 CST		0	Source: Trained Spotter
At 66th and Y Streets.				
<b>DOUGLAS COUNTY --- 1.6 NW ELKHORN [41.29, -96.25], 6.0 SW LANE [41.19, -96.27], 1.7 SSE SOUTH OMAHA [41.21, -95.94], 2.0 SE NORTH OMAHA [41.31, -95.95]</b>				
	06/11/08 18:56 CST		0	Flash Flood (due to Heavy Rain)
	06/11/08 20:30 CST		0	Source: Amateur Radio
Rainfall of 2 to 5 inches fell in a 2 to 3 hour period across sections of Omaha. The heavy rain produced flash flooding across roads and highways in the metro area which trapped vehicles in high water or forced road closures. Areas which experienced more significant flooding included West Maple in Elkhorn, Interstate 480 and Martha Street, the I street ramp onto Interstate 80, 12th and Cuming Streets, 48 th and Ames Ave., locations near the Creighton campus and near 50th Street and Interstate 80. Many of these locations had water high enough that vehicles became trapped. However, there were no reported injuries and any damage was mainly to the vehicles. There were also numerous other reports of flooded streets in the Omaha area and along sections of Cole Creek and a few branches of the Papillion Creek watershed.				
<b>SARPY COUNTY --- PAPILLION [41.17, -96.05]</b>				
	06/11/08 19:05 CST		0	Thunderstorm Wind (MG 58 kt)
	06/11/08 19:05 CST		0	Source: Trained Spotter
A trained spotter measured thunderstorm wind gusts of 67 mph with home weather equipment.				
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01], 2.0 ESE OMAHA MILLARD ARPT [41.19, -96.08]</b>				
	06/11/08 19:08 CST		0	Hail (1.00 in)
	06/11/08 19:20 CST		0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Hail up to 1 inch in diameter was reported across sections of Omaha including 159th and Giles, 138th and Industrial Road, 108th and Harrison Streets, 120th and W Streets and at 90th and Center.

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**SARPY COUNTY --- 2.0 S (OFF)OFFUTT AFB [41.09, -95.92]**

06/11/08 19:10 CST	0	Thunderstorm Wind (EG 65 kt)
06/11/08 19:10 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 70 mph downed several large trees and some power lines at a Salvation Army Camp south of Offutt AFB.

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**SALINE COUNTY --- 0.5 E DORCHESTER [40.65, -97.11]**

06/11/08 19:17 CST	0	Hail (0.88 in)
06/11/08 19:17 CST	0	Source: Emergency Manager

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**CASS COUNTY --- 0.9 SE PLATTSMOUTH [41.01, -95.89]**

06/11/08 19:20 CST	0	Thunderstorm Wind (EG 55 kt)
06/11/08 19:20 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph blew a tree onto a mobile home. The winds could have been the rear flank downdraft winds from a supercell thunderstorm that produced a tornado a little earlier near Louisville.

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**SARPY COUNTY --- 0.9 SE AVERY [41.16, -95.92]**

06/11/08 19:24 CST	0	Hail (1.00 in)
06/11/08 19:24 CST	0	Source: Amateur Radio

Reported along Washington Street.

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**LANCASTER COUNTY --- 1.0 N ROKEBY [40.73, -96.73], 0.3 E GARRATT [40.88, -96.74], 2.3 ENE HAVELOCK [40.89, -96.58], 1.2 NNE CHENEYS [40.75, -96.59]**

06/11/08 19:30 CST	0	Flash Flood (due to Heavy Rain)
06/11/08 22:30 CST	0	Source: Newspaper

Heavy rain caused flash flooding across many streets in the Lincoln area. The Lincoln airport recorded a little over 3 inches of rain on 6/ 11. Flooding across streets was reported along Highway 77 northbound lanes, Rosa Parks Way, the 2400 block of North Ninth Street, 20th Street from Cornhusker to Knox, 48th and Cornhusker Highway, the 600 block of Old Cheney, W Street from 14th to 15th Streets was completely flooded, Havelock Ave. from 70th to 80th Streets, and some flooding was also reported along Haines Branch near Pioneers Park. Other streets were likely flooded.

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**JEFFERSON COUNTY --- 2.0 N JANSEN [40.21, -97.08], 2.2 N JANSEN [40.21, -97.08]**

06/11/08 19:38 CST	0	Tornado (EF0, L: 0.21 mi , W: 40 yd)
06/11/08 19:39 CST	0	Source: Emergency Manager

A brief tornado touchdown caused mainly just tree damage 2 miles north of Jansen.

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**SARPY COUNTY --- 0.9 SE PAPILLION [41.16, -96.04]**

06/11/08 20:10 CST	0	Hail (1.00 in)
06/11/08 20:10 CST	0	Source: COOP Observer

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**SARPY COUNTY --- 2.2 SSE GRETNA [41.12, -96.24], 1.1 SE GRETNA [41.14, -96.24], 1.4 SE GRETNA [41.14, -96.23], 2.5 SE GRETNA [41.12, -96.22]**

06/11/08 20:20 CST	0	Flash Flood (due to Heavy Rain)
06/11/08 22:20 CST	0	Source: Amateur Radio

Rainfall of around 3 inches in an hour and a half fell across sections of western Sarpy county. The heavy rain produced flash flooding of a couple of subdivisions in the Gretna area with 6 basements flooded. The flood waters came from a cornfield to the west with debris from the field crossing a road in the subdivision.

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**CASS COUNTY --- 1.6 SSW LOUISVILLE [40.98, -96.16], 1.4 S LOUISVILLE [40.98, -96.15], 1.2 S LOUISVILLE [40.98, -96.15], 1.3 SSW LOUISVILLE [40.98, -96.16]**

06/11/08 21:00 CST	0	Flash Flood (due to Heavy Rain)
06/11/08 22:00 CST	0	Source: Emergency Manager

Heavy rain produced flash flooding blocking roads near the intersection of 156th and Kiser Streets just south of Louisville.

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>CASS COUNTY --- 4.4 E GREENWOOD [40.97, -96.35], 4.4 E GREENWOOD [40.97, -96.35], 2.0 E GREENWOOD [40.97, -96.39], 2.9 ENE GREENWOOD [40.98, -96.38]</b>				
	06/11/08 22:45 CST		0	Flash Flood (due to Heavy Rain)
	06/12/08 00:45 CST		0	Source: Emergency Manager
Heavy rain produced flash flooding across Mynard Road between 250th and 262nd Streets and near Highway 63 east of Greenwood. Roads in these areas were blocked for a while by flood waters.				
<b>CASS COUNTY --- GREENWOOD [40.97, -96.43], 1.8 W GREENWOOD [40.97, -96.46], 1.8 N GREENWOOD [41.00, -96.43], 1.6 NNE GREENWOOD [40.99, -96.42]</b>				
	06/11/08 23:30 CST		0	Flood (due to Heavy Rain)
	06/12/08 08:15 CST		0	Source: Official NWS Observations
Areas of heavy rain that fell across the Salt Creek basin during the first week of June, culminated with heavy rain producing thunderstorms on June 11th. This caused Salt Creek to flood around the Greenwood area. The creek at Greenwood reached 22.5 feet at 245 am CDT on June 12th, flood stage is 20 feet. The flooding affected mainly just agricultural bottom-lands.				
<b>A very strong and unseasonably cold upper level low pressure system that was tracking across the northern plains brought a strong low level jet to the region during the early morning hours of June 11th. The warm and unstable air that worked north into the region helped spawn early morning severe thunderstorms across eastern Nebraska and southwest Iowa. Later that day as the upper level system worked into the central Dakotas, a cold front pushed across the region. This helped set off another round of thunderstorms that developed over east central Nebraska by late afternoon.</b>				
<b>Isolated small supercell thunderstorms developed ahead of the cold front over eastern Nebraska, but they were quickly overtaken by a broken line of larger supercell thunderstorms, some of the heavy precipitation type, that developed along the cold front. Cell mergers and training were observed well into the evening hours as the activity quickly spread into southwest Iowa. The storms produced a total of 8 confirmed tornadoes in the Omaha/Valley warning area which covers eastern Nebraska and southwest Iowa.</b>				
<b>PLATTE COUNTY --- 0.5 E LINDSAY [41.70, -97.69]</b>				
	06/15/08 05:40 CST		0	Hail (0.75 in)
	06/15/08 05:40 CST		0	Source: Emergency Manager
<b>PLATTE COUNTY --- 0.5 E COLUMBUS [41.43, -97.36]</b>				
	06/15/08 06:00 CST		0	Hail (1.00 in)
	06/15/08 06:00 CST		0	Source: Emergency Manager
<b>SAUNDERS COUNTY --- 0.9 SE WESTON [41.19, -96.74]</b>				
	06/15/08 06:35 CST		0	Thunderstorm Wind (MG 51 kt)
	06/15/08 06:35 CST		0	Source: COOP Observer
The coop observer near Weston measured thunderstorm wind gusts of 59 mph with home weather equipment.				
<b>SAUNDERS COUNTY --- 3.7 W WESTON [41.19, -96.82]</b>				
	06/15/08 06:35 CST		0	Hail (0.75 in)
	06/15/08 06:35 CST		0	Source: Trained Spotter
<b>SEWARD COUNTY --- 0.7 N SEWARD [40.91, -97.10]</b>				
	06/15/08 06:47 CST		0	Hail (0.75 in)
	06/15/08 06:47 CST		0	Source: Law Enforcement
<b>SEWARD COUNTY --- MILFORD [40.77, -97.05]</b>				
	06/15/08 06:51 CST		0	Hail (2.75 in)
	06/15/08 06:56 CST		0	Source: Law Enforcement
Law Enforcement reported hail up to baseball-size fell in the Milford area. The hail caused extensive vehicle damage, especially at a local car dealership and a local business where over 140 vehicles were damaged. Some houses also sustained roof and siding damage.				
<b>SAUNDERS COUNTY --- 2.9 SW COLON [41.27, -96.66]</b>				
	06/15/08 07:00 CST		0	Hail (1.00 in)
	06/15/08 07:00 CST		0	Source: COOP Observer

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SEWARD COUNTY --- 0.9 NW PLEASANT DALE [40.79, -96.93]</b>				
	06/15/08 07:00 CST		0	Hail (2.00 in)
	06/15/08 07:00 CST		0	Source: Broadcast Media
Local TV meteorologists reported that 2 inch diameter hail fell in the Pleasant Dale area.				
<b>SEWARD COUNTY --- 0.7 N SEWARD [40.91, -97.10]</b>				
	06/15/08 07:10 CST		0	Hail (1.50 in)
	06/15/08 07:10 CST		0	Source: Trained Spotter
Hail up to walnut size was reported in the Seward area.				
<b>DOUGLAS COUNTY --- 5.6 SSE WATERLOO [41.20, -96.27], 1.8 WSW RALSTON [41.19, -96.06]</b>				
	06/15/08 07:11 CST		0	Thunderstorm Wind (EG 50 kt)
	06/15/08 07:15 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at around 60 mph caused scattered tree damage in the Omaha area with large limbs or trees downed near 228th and Q and 96th and Harrison Streets. OPPD reported that 4,500 customers lost their power from the storm.				
<b>LANCASTER COUNTY --- 1.3 ESE COBB [40.74, -96.78]</b>				
	06/15/08 07:20 CST		0	Hail (1.75 in)
	06/15/08 07:20 CST		0	Source: Emergency Manager
Golfball-size hail was reported at Conestoga Lake.				
<b>SARPY COUNTY --- 0.7 WSW CHALCO [41.18, -96.16]</b>				
	06/15/08 07:20 CST		0	Hail (0.75 in)
	06/15/08 07:20 CST		0	Source: Trained Spotter
Reported near 159th and Giles.				
<b>SARPY COUNTY --- 2.1 W CHALCO [41.18, -96.19]</b>				
	06/15/08 07:24 CST		0	Hail (0.75 in)
	06/15/08 07:24 CST		0	Source: NWS Employee
Reported by an off duty NWS employee a few miles northeast of Gretna.				
<b>DOUGLAS COUNTY --- 2.0 E OMAHA MILLARD ARPT [41.21, -96.08]</b>				
	06/15/08 07:28 CST		0	Hail (0.88 in)
	06/15/08 07:28 CST		0	Source: Amateur Radio
Nickel size hail was reported near 108th and Q Streets.				
<b>SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96], 2.2 ESE WILBER [40.46, -96.91]</b>				
	06/15/08 07:35 CST		0	Hail (1.00 in)
	06/15/08 07:41 CST		0	Source: Emergency Manager
Hail up to quarter size fell for several minutes in the Wilber area.				
<b>OTOE COUNTY --- 2.7 W PALMYRA [40.70, -96.43], 0.9 NW PALMYRA [40.71, -96.39]</b>				
	06/15/08 07:45 CST		0	Hail (1.75 in)
	06/15/08 07:47 CST		0	Source: Emergency Manager
Hail up to golfball-size was reported from 2 miles west of Palmyra into Palmyra.				
<b>GAGE COUNTY --- 5.2 NW HOAG [40.38, -96.89], 4.7 NNW HOAG [40.38, -96.88]</b>				
	06/15/08 07:50 CST		0	Hail (1.75 in)
	06/15/08 07:54 CST		0	Source: Trained Spotter
Hail up to golfball-size was reported a mile or two east southeast of Dewitt, which is in Saline county.				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>JEFFERSON COUNTY --- 1.3 WSW SHEA [40.11, -97.04]</b>				
	06/15/08 07:57 CST		0	Hail (0.88 in)
	06/15/08 07:57 CST		0	Source: Emergency Manager
<b>LANCASTER COUNTY --- FIRTH [40.53, -96.60]</b>				
	06/15/08 08:01 CST		0	Hail (1.00 in)
	06/15/08 08:01 CST		0	Source: Emergency Manager
<b>JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]</b>				
	06/15/08 08:05 CST		0	Hail (1.00 in)
	06/15/08 08:05 CST		0	Source: Emergency Manager
<b>OTOE COUNTY --- 5.3 E BURR [40.54, -96.20], 1.6 NNW TALMAGE [40.54, -96.03]</b>				
	06/15/08 08:10 CST		0	Thunderstorm Wind (EG 65 kt)
	06/15/08 08:15 CST		0	Source: Trained Spotter
A trained weather spotter estimated westerly thunderstorm outflow winds of 75 mph east of Burr. These strong winds spread into the Talmage area splitting or knocking over several large trees and causing minor damage to many trees in town.				
<b>JEFFERSON COUNTY --- 0.7 N STEELE CITY [40.04, -97.02]</b>				
	06/15/08 08:15 CST		0	Hail (1.00 in)
	06/15/08 08:15 CST		0	Source: Public
Hail up to 1 inch in diameter was reported in the Steele City area.				
<b>GAGE COUNTY --- 5.2 W HOLMESVILLE [40.19, -96.75], 1.1 W BEATRICE [40.27, -96.75]</b>				
	06/15/08 08:17 CST		0	Hail (0.88 in)
	06/15/08 08:20 CST		0	Source: Trained Spotter
Hail up to nickel-size fell from 8 miles south of Beatrice into Beatrice.				
<b>SARPY COUNTY --- 1.2 N SOUTH OMAHA ARPT [41.19, -96.02], 1.0 N AVERY [41.18, -95.93]</b>				
	06/15/08 08:24 CST		0	Thunderstorm Wind (EG 50 kt)
	06/15/08 08:26 CST		0	Source: Newspaper
Thunderstorm winds estimated at 60 mph caused scattered tree damage from the La Vista area east across Chandler Road in Bellevue.				
<b>NEMAHA COUNTY --- 0.5 W BROCK [40.48, -95.96]</b>				
	06/15/08 08:25 CST		0	Thunderstorm Wind (EG 52 kt)
	06/15/08 08:25 CST		0	Source: Emergency Manager
Thunderstorm winds estimated at 60 mph knocked down tree limbs 6 to 8 inches in diameter near Brock.				
<b>NEMAHA COUNTY --- JULIAN [40.52, -95.87]</b>				
	06/15/08 08:25 CST		0	Thunderstorm Wind (EG 56 kt)
	06/15/08 08:25 CST		0	Source: Emergency Manager
Emergency management estimated thunderstorm outflow winds of 60 to 70 mph in the Julian area.				
<b>NEMAHA COUNTY --- 0.9 SSW AUBURN [40.39, -95.84], 2.1 ESE AUBURN ARPT [40.38, -95.75]</b>				
	06/15/08 08:44 CST		0	Hail (1.00 in)
	06/15/08 08:47 CST		0	Source: Trained Spotter
Hail up to 1 inch in diameter was reported from Auburn to 5 miles east southeast of Auburn.				
<b>OTOE COUNTY --- 4.2 ESE PAUL [40.54, -95.81]</b>				
	06/15/08 09:57 CST		0	Hail (0.75 in)
	06/15/08 09:57 CST		0	Source: Emergency Manager

Warm and moist air worked its way into eastern Nebraska during the early morning hours of June 15th. As a cold front pushed across

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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the area a little after sunrise, severe thunderstorms started developing from north of Columbus south and southeast toward Lincoln and Omaha. The thunderstorm complex then pushed across southeast Nebraska with the severe weather ending across the area before noon that day.

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### ANTELOPE COUNTY --- 0.9 NE ORCHARD [42.34, -98.24]

06/17/08 17:15 CST			0	Hail (0.75 in)
06/17/08 17:15 CST			0	Source: Trained Spotter

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### BOONE COUNTY --- 0.9 SW PRIMROSE [41.62, -98.24]

06/17/08 19:52 CST			0	Thunderstorm Wind (EG 55 kt)
06/17/08 19:55 CST			0	Source: Law Enforcement

Thunderstorm wind gusts estimated at 60 to 70 mph blew down trees onto power lines near Primrose. The winds also flipped 14 center pivots in the area and downed trees causing scattered vehicle and house damage. The winds were accompanied by hail up to 1 inch in diameter which caused quite a bit of crop damage in the area.

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### BOONE COUNTY --- 0.9 SW PRIMROSE [41.62, -98.24]

06/17/08 19:52 CST			0	Hail (1.00 in)
06/17/08 20:00 CST			0	Source: Law Enforcement

Hail up to quarter size fell for at least several minutes in the Primrose area. The hail was accompanied by thunderstorm wind gusts estimated at 65 mph. The combination of hail and strong winds caused quite a bit of crop damage in the area and some vehicle and house damage was noted. The damage path due to the hail was about 1.5 miles wide in the area.

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### BOONE COUNTY --- 0.7 N CEDAR RAPIDS ARPT [41.56, -98.17]

06/17/08 20:10 CST			0	Hail (0.75 in)
06/17/08 20:10 CST			0	Source: Trained Spotter

The hail was accompanied by 40 mph winds.

Severe thunderstorms developed on the edge of an instability axis from southeast South Dakota into north central Nebraska. The storms dropped slowly south during the evening hours dropping quite a bit of hail and gusty winds near the Primrose area.

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### WASHINGTON COUNTY --- 1.7 NE TELBASTA [41.60, -96.36], 1.2 ESE TELBASTA [41.57, -96.36]

06/18/08 19:21 CST			0	Hail (1.00 in)
06/18/08 19:25 CST			0	Source: Trained Spotter

Hail up to quarter size stripped corn fields 8 to 10 miles north of Arlington.

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### BURT COUNTY --- 3.5 NW OAKLAND [41.87, -96.51]

06/18/08 20:25 CST			0	Hail (0.75 in)
06/18/08 20:25 CST			0	Source: Public

A return of somewhat more humid and unstable conditions sparked isolated severe thunderstorms north of the Omaha area during the evening hours of June 18th.

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### JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18]

06/19/08 12:02 CST			0	Hail (1.00 in)
06/19/08 12:02 CST			0	Source: Emergency Manager

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### WAYNE COUNTY --- 0.7 N WAYNE [42.24, -97.02]

06/19/08 12:10 CST			0	Hail (0.88 in)
06/19/08 12:10 CST			0	Source: Storm Chaser

Nickel size hail was accompanied by 50 mph winds.

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### WAYNE COUNTY --- 3.0 NNW ALTONA [42.14, -97.02]

06/19/08 12:34 CST			0	Hail (1.25 in)
06/19/08 12:34 CST			0	Source: Trained Spotter

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### GAGE COUNTY --- 2.1 N (BIE)BEATRICE ARPT [40.33, -96.75], 2.7 SW PICKRELL [40.35, -96.75]

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/19/08 13:00 CST		0	Hail (0.88 in)
	06/19/08 13:08 CST		0	Source: Trained Spotter

Hail around nickel-size was accompanied by thunderstorm wind gusts of 35 to 45 mph several miles north of Beatrice. Rainfall of 1.6 inches in 20 minutes was also reported.

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### NEMAHA COUNTY --- 3.2 SSE AUBURN ARPT [40.36, -95.75]

06/19/08 13:30 CST	0	Hail (1.00 in)
06/19/08 13:30 CST	0	Source: COOP Observer

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### MADISON COUNTY --- NORFOLK [42.03, -97.42]

06/19/08 13:51 CST	0	Hail (0.88 in)
06/19/08 13:51 CST	0	Source: Trained Spotter

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### ANTELOPE COUNTY --- OAKDALE [42.07, -97.97]

06/19/08 14:10 CST	0	Hail (1.00 in)
06/19/08 14:10 CST	0	Source: Trained Spotter

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### SAUNDERS COUNTY --- 0.9 SE ASHLAND [41.04, -96.37]

06/19/08 14:22 CST	0	Thunderstorm Wind (EG 55 kt)
06/19/08 14:30 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph downed power lines and large tree limbs near Ashland. The winds were accompanied by pea-size hail.

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### ANTELOPE COUNTY --- 2.0 E NELIGH [42.13, -97.99]

06/19/08 15:00 CST	0	Hail (0.75 in)
06/19/08 15:00 CST	0	Source: Public

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### PIERCE COUNTY --- 2.2 WNW HADAR [42.11, -97.49]

06/19/08 15:25 CST	0	Hail (0.88 in)
06/19/08 15:25 CST	0	Source: Public

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### MADISON COUNTY --- 2.6 NE BATTLE CREEK [42.03, -97.57], 3.0 NNE BATTLE CREEK [42.04, -97.57], 4.1 NE BATTLE CREEK [42.04, -97.54], 3.8 NE BATTLE CREEK [42.03, -97.54]

06/19/08 15:55 CST	0	Flash Flood (due to Heavy Rain)
06/19/08 17:55 CST	0	Source: Law Enforcement

Very heavy rain, in the order of 1 to 2 inches in less than an hour, produced flash flooding across highway 275 about 4 to 5 miles west of Norfolk.

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### COLFAX COUNTY --- 2.6 SE LEIGH [41.67, -97.20]

06/19/08 16:10 CST	0	Hail (1.00 in)
06/19/08 16:10 CST	0	Source: Public

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### CEDAR COUNTY --- 0.9 SE HARTINGTON [42.61, -97.26]

06/19/08 16:40 CST	0	Hail (0.75 in)
06/19/08 16:40 CST	0	Source: Trained Spotter

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### SAUNDERS COUNTY --- 4.2 N RESCUE [41.41, -96.89]

06/19/08 16:45 CST	0	Hail (0.75 in)
06/19/08 16:45 CST	0	Source: Trained Spotter

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### KNOX COUNTY --- 0.5 W CENTER [42.62, -97.88]

06/19/08 16:50 CST	0	Hail (0.75 in)
06/19/08 16:50 CST	0	Source: Public

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### SAUNDERS COUNTY --- 0.9 SE PRAGUE [41.31, -96.81]

06/19/08 17:00 CST	0	Hail (0.75 in)
06/19/08 17:00 CST	0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
OTOE COUNTY --- UNADILLA [40.68, -96.27]	06/19/08 17:11 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/08 17:11 CST		0	Source: Emergency Manager
SAUNDERS COUNTY --- 2.1 SSE MALMO [41.24, -96.72]	06/19/08 17:22 CST		0	Hail (1.00 in)
	06/19/08 17:22 CST		0	Source: Public
LANCASTER COUNTY --- 3.2 NNE HAVELOCK [40.91, -96.60], 3.0 NNE HAVELOCK [40.91, -96.60]	06/19/08 17:45 CST		0	Tornado (EF0, L: 0.10 mi , W: 40 yd)
	06/19/08 17:46 CST		0	Source: Emergency Manager
A brief tornado touchdown was caught on tape near 84th and Bluff Road. The tornado did little or no apparent damage.				
OTOE COUNTY --- UNADILLA [40.68, -96.27]	06/19/08 17:45 CST		0	Hail (0.88 in)
	06/19/08 17:45 CST		0	Source: Emergency Manager
CASS COUNTY --- 0.9 NE GREENWOOD [40.98, -96.42]	06/19/08 17:50 CST		0	Hail (0.75 in)
	06/19/08 17:50 CST		0	Source: Public
CASS COUNTY --- 0.9 NE MANLEY [40.93, -96.16]	06/19/08 18:25 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/08 18:25 CST		0	Source: NWS Employee
A thunderstorm wind gust was estimated at 60 mph by an off duty NWS employee south of Louisville.				
CASS COUNTY --- 0.5 W EAGLE [40.82, -96.43]	06/19/08 18:30 CST		0	Hail (1.75 in)
	06/19/08 18:30 CST		0	Source: Emergency Manager
CASS COUNTY --- 0.5 W EAGLE [40.82, -96.43]	06/19/08 18:30 CST		0	Thunderstorm Wind (EG 60 kt)
	06/19/08 18:30 CST		0	Source: Emergency Manager
A thunderstorm downburst downed a tree which destroyed a trailer home near Eagle. The winds were estimated at 60 to 70 mph.				
OTOE COUNTY --- UNADILLA [40.68, -96.27]	06/19/08 18:31 CST		0	Hail (0.75 in)
	06/19/08 18:31 CST		0	Source: Emergency Manager
OTOE COUNTY --- UNADILLA [40.68, -96.27]	06/19/08 18:34 CST		0	Hail (0.88 in)
	06/19/08 18:34 CST		0	Source: Emergency Manager
Hail up to nickel-size was accompanied by 60 mph winds.				
OTOE COUNTY --- UNADILLA [40.68, -96.27]	06/19/08 18:34 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/08 18:34 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at 60 mph were accompanied by hail up to nickel-size.				
OTOE COUNTY --- 0.7 N SYRACUSE [40.66, -96.18]	06/19/08 19:00 CST		0	Hail (0.75 in)
	06/19/08 19:00 CST		0	Source: Law Enforcement



## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NEMAHA COUNTY --- 0.9 NE GLEN ROCK [40.46, -95.87]</b>				
	06/19/08 19:15 CST		0	Hail (0.75 in)
	06/19/08 19:15 CST		0	Source: Public
<b>PAWNEE COUNTY --- BURCHARD [40.15, -96.35]</b>				
	06/19/08 19:40 CST		0	Hail (0.75 in)
	06/19/08 19:40 CST		0	Source: Public
<b>JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]</b>				
	06/19/08 20:50 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/08 20:50 CST		0	Source: Trained Spotter
Thunderstorm winds estimated at 60 mph broke tree branches in the area. The winds were accompanied by penny-size hail.				
<b>JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]</b>				
	06/19/08 20:56 CST		0	Hail (0.75 in)
	06/19/08 20:56 CST		0	Source: Fire Department/Rescue
This began a several day stretch of pulse-type severe thunderstorms across eastern Nebraska and western Iowa. A cool northwesterly upper level wind flow prevailed during this stretch, with several embedded disturbances, while warm and unstable conditions were observed at the surface.				
<b>SAUNDERS COUNTY --- 0.5 W COLON [41.30, -96.63]</b>				
	06/20/08 14:30 CST		0	Hail (0.75 in)
	06/20/08 14:30 CST		0	Source: Storm Chaser
<b>CASS COUNTY --- 3.0 S AVOCA [40.61, -96.13]</b>				
	06/20/08 16:45 CST		0	Funnel Cloud
	06/20/08 16:45 CST		0	Source: Newspaper
A high-based narrow funnel cloud was caught and film south of Avoca. The funnel apparently did not touch down, and if it did no damage was reported.				
<b>OTOE COUNTY --- 1.5 SSW PALMYRA [40.68, -96.39]</b>				
	06/20/08 17:03 CST		0	Hail (0.75 in)
	06/20/08 17:03 CST		0	Source: Public
<b>SAUNDERS COUNTY --- 0.9 SE WESTON [41.19, -96.74]</b>				
	06/20/08 17:10 CST		0	Hail (0.75 in)
	06/20/08 17:10 CST		0	Source: Trained Spotter
<b>OTOE COUNTY --- 1.3 WNW DOUGLAS [40.59, -96.39]</b>				
	06/20/08 17:15 CST		0	Hail (1.25 in)
	06/20/08 17:15 CST		0	Source: Trained Spotter
Hail from pea-size to half dollar-size covered the ground near Douglas.				
<b>JOHNSON COUNTY --- 1.5 SSW STERLING [40.45, -96.38]</b>				
	06/20/08 17:53 CST		0	Hail (0.75 in)
	06/20/08 17:53 CST		0	Source: Trained Spotter
The hail was mostly pea-size, but a few were up to dime-size. The hail covered the ground.				
<b>JOHNSON COUNTY --- 4.2 S CRAB ORCHARD [40.27, -96.41]</b>				
	06/20/08 18:20 CST		0	Hail (0.75 in)
	06/20/08 18:20 CST		0	Source: Public
<b>PAWNEE COUNTY --- BURCHARD [40.15, -96.35]</b>				
	06/20/08 18:46 CST		0	Hail (0.75 in)
	06/20/08 18:46 CST		0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SEWARD COUNTY --- 4.8 S MILFORD [40.70, -97.05]</b>				
	06/20/08 19:03 CST		0	Hail (0.75 in)
	06/20/08 19:03 CST		0	Source: Public
<b>JEFFERSON COUNTY --- 3.8 W DAYKIN [40.31, -97.35]</b>				
	06/20/08 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	06/20/08 19:50 CST		0	Source: Public
Thunderstorm winds estimated at 60 mph blew the door off of a barn west southwest of Daykin.				
This was day 2 of a several day stretch of pulse-type severe thunderstorms that occurred across eastern Nebraska and western Iowa. A cool northwesterly upper level wind flow prevailed during this stretch, with several embedded disturbances, while warm and unstable conditions were observed at the surface.				
<b>ANTELOPE COUNTY --- 7.0 NW ELGIN EDWARDS ARPT [42.07, -98.33]</b>				
	06/21/08 13:51 CST		0	Hail (0.75 in)
	06/21/08 14:06 CST		0	Source: Public
Hail around 3/4 inch in diameter lasted for about 15 minutes northwest of Elgin.				
<b>ANTELOPE COUNTY --- 4.6 E ELGIN [41.98, -97.99]</b>				
	06/21/08 14:07 CST		0	Hail (0.75 in)
	06/21/08 14:07 CST		0	Source: Law Enforcement
<b>BOONE COUNTY --- 0.5 E ST EDWARD [41.57, -97.86]</b>				
	06/21/08 14:55 CST		0	Hail (1.00 in)
	06/21/08 15:05 CST		0	Source: Emergency Manager
Hail up to quarter-size fell for about 10 minutes in the St. Edward area. The hail covered the ground several inches.				
<b>ANTELOPE COUNTY --- 3.2 NNW ORCHARD [42.37, -98.28], 4.5 S ORCHARD [42.26, -98.25]</b>				
	06/21/08 18:12 CST		0	Hail (0.88 in)
	06/21/08 18:20 CST		0	Source: Public
Hail up to nickel-size covered the ground white from northwest of Orchard through south of town.				
<b>SALINE COUNTY --- 0.5 W TOBIAS [40.42, -97.34]</b>				
	06/21/08 18:35 CST		0	Thunderstorm Wind (EG 50 kt)
	06/21/08 18:35 CST		0	Source: Trained Spotter
Thunderstorm wind gusts from a decaying thunderstorm were estimated at around 60 mph. The winds blew down a few tree branches up to a couple of inches in diameter.				
<b>ANTELOPE COUNTY --- 4.6 W CLEARWATER [42.17, -98.27]</b>				
	06/21/08 18:40 CST		0	Hail (0.75 in)
	06/21/08 18:40 CST		0	Source: Public
<b>KNOX COUNTY --- 0.5 W VERDIGRE [42.60, -98.04]</b>				
	06/21/08 18:44 CST		0	Hail (0.75 in)
	06/21/08 18:44 CST		0	Source: Law Enforcement
<b>KNOX COUNTY --- 1.5 W CREIGHTON [42.47, -97.91], 1.7 WSW WINNETOON [42.51, -97.98]</b>				
	06/21/08 18:54 CST		0	Hail (1.75 in)
	06/21/08 18:54 CST		0	Source: Law Enforcement
Hail up to golfball-size was driven by thunderstorm wind gusts estimated at 60 mph. The combination caused areas of house and vehicle damage in Creighton and crop damage near town, especially in the Winnetoon area which is just northwest of Creighton.				
<b>KNOX COUNTY --- 4.1 W WINNETOON [42.52, -98.03], CREIGHTON [42.47, -97.88]</b>				

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/08 18:54 CST		0	Thunderstorm Wind (EG 52 kt)
	06/21/08 18:54 CST		0	Source: Law Enforcement

Thunderstorm winds estimated at 60 mph were accompanied by hail up to golfball-size. The winds and hail caused vehicle and house damage in Creighton and crop damage near town, especially in the Winnetoon area northwest of Creighton.

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### ANTELOPE COUNTY --- 4.5 SE BRUNSWICK [42.29, -97.90]

06/21/08 19:22 CST	0	Hail (0.75 in)
06/21/08 19:22 CST	0	Source: Public

Hail up to dime-size covered the ground southeast of Brunswick.

**This was the third consecutive day, and the last, in a stretch of pulse-type severe thunderstorms that occurred across eastern Nebraska and western Iowa. A cool northwesterly upper level wind flow prevailed during this stretch, with several embedded disturbances, while warm and unstable conditions were observed at the surface.**

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### LANCASTER COUNTY --- 1.7 ESE UNIVERSITY PLACE [40.82, -96.59]

06/24/08 03:40 CST	0	Hail (0.75 in)
06/24/08 04:00 CST	0	Source: Trained Spotter

Pea to penny-size hail was reported east of Lincoln. The hail lasted for about 20 minutes.

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### SALINE COUNTY --- 0.5 W CRETE [40.63, -96.96]

06/24/08 03:50 CST	0	Hail (0.75 in)
06/24/08 03:50 CST	0	Source: Law Enforcement

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### GAGE COUNTY --- 0.9 NW CORTLAND [40.51, -96.71]

06/24/08 04:10 CST	0	Hail (0.75 in)
06/24/08 04:10 CST	0	Source: Trained Spotter

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### SALINE COUNTY --- 4.8 NW CRETE [40.68, -97.01], 3.2 WNW DE WITT [40.42, -96.97], 2.0 NNE DE WITT [40.42, -96.90], 3.8 N CRETE [40.69, -96.95]

06/24/08 11:00 CST	0	Flood (due to Heavy Rain)
06/26/08 22:15 CST	0	Source: Official NWS Observations

Heavy rain from thunderstorms early on June 24th caused the Big Blue River to flood in Saline county beginning around noon CDT on 6/24. Additional heavy rain producing thunderstorms later that afternoon added to the flooding and kept the Blue River around the Crete area above flood stage until just before midnight on the 26th. The river at Crete crested at 19.5 feet for about 24 hours centered near midnight on the 25th. Flood stage is 18 feet. The flooding affected mainly agricultural lowlands, but also closed a few county roads in the area.

**A weak stationary front along the Kansas and Nebraska border, combined with an upper level disturbance and low level jet, helped fuel isolated early morning severe thunderstorms over southeast Nebraska. Due to slow movement of the thunderstorms, a few of them dropped heavy rain over parts of Saline county, which caused the Blue River to flood.**

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### DOUGLAS COUNTY --- 1.3 WNW WATERLOO [41.29, -96.32]

06/24/08 11:15 CST	0	Heavy Rain
06/24/08 12:15 CST	0	Source: Trained Spotter

Rainfall of 2.10 inches fell between 1215 pm and 115 pm CDT near Waterloo. The heavy rain caused significant ponding in the area.

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### JEFFERSON COUNTY --- 0.7 N SHEA [40.13, -97.02]

06/24/08 13:45 CST	0	Thunderstorm Wind (EG 55 kt)
06/24/08 13:45 CST	0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph downed several trees in the Rock Creek State Historical Park area.

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### JEFFERSON COUNTY --- 1.7 SW SHEA [40.10, -97.04]

06/24/08 13:55 CST	0	Hail (1.00 in)
06/24/08 13:55 CST	0	Source: Emergency Manager

Hail between nickel and quarter-size covered the ground between Fairbury and Diller. In addition, 3 inches of rain fell in the Diller area.

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### JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/24/08 14:05 CST		0	Hail (0.88 in)
	06/24/08 14:05 CST		0	Source: Trained Spotter

A warm front that lifted slowly north across the region caused slow moving heavy rain producing thunderstorms to develop over sections of eastern Nebraska around noon time. Besides producing heavy rain, a few of the storms brought large hail and damaging winds.

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### **SALINE COUNTY --- 2.1 E DORCHESTER [40.65, -97.08]**

06/26/08 08:31 CST	0	Hail (0.75 in)
06/26/08 08:31 CST	0	Source: Emergency Manager

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### **DOUGLAS COUNTY --- 0.9 SE BENSON [41.29, -96.01]**

06/26/08 09:02 CST	0	Hail (0.75 in)
06/26/08 09:02 CST	0	Source: Trained Spotter

Hail up to penny-size was reported on the north end of Omaha.

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### **RICHARDSON COUNTY --- 4.7 WSW SALEM [40.05, -95.80]**

06/26/08 13:45 CST	0	Hail (0.75 in)
06/26/08 13:45 CST	0	Source: Public

A cold front pushed slowly across eastern Nebraska during the morning and early afternoon hours of June 26th. The front helped touch off a few severe thunderstorms over eastern Nebraska into early afternoon before the activity shifted south of the region.

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### **ANTELOPE COUNTY --- 4.2 S ELGIN EDWARDS ARPT [41.94, -98.23]**

06/26/08 22:15 CST	0	Thunderstorm Wind (EG 50 kt)
06/26/08 22:15 CST	0	Source: Public

Thunderstorm wind gusts estimated at close to 60 mph downed a few 5 to 6 inch diameter tree branches.

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### **JEFFERSON COUNTY --- 1.7 SW FAIRBURY [40.13, -97.19]**

06/26/08 23:10 CST	0	Thunderstorm Wind (MG 61 kt)
06/26/08 23:10 CST	0	Source: Emergency Manager

Thunderstorm wind gusts were measured at 70 mph by weather equipment just southwest of Fairbury. The winds downed 6 to 8 inch diameter tree limbs in town.

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### **JEFFERSON COUNTY --- 0.9 NW DILLER [40.11, -96.94]**

06/26/08 23:20 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/08 23:20 CST	0	Source: Emergency Manager

Thunderstorm winds estimated at 60 mph blew the roof off of a shed at the local Farmers Coop.

Thunderstorms, a few of which produced severe criteria wind gusts, developed over portions of eastern Nebraska late on June 26th and early on the 27th. The storms formed ahead of an unusually strong upper level low pressure system that brought an increasing low level jet to the region this night.

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### **DODGE COUNTY --- 1.4 N NORTH BEND [41.49, -96.78], 0.9 SSE NORTH BEND [41.46, -96.77]**

06/27/08 15:07 CST	0	Thunderstorm Wind (EG 55 kt)
06/27/08 15:07 CST	0	Source: Public

Wind gusts were estimated at 60 to 70 mph from just north of North Bend into town. This is the beginning of where the bow echo that slammed across the Omaha/Council Bluffs area started causing damage. In North Bend a few trees were uprooted and many tree limbs were downed. A few center pivots were flipped northeast of town.

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### **DODGE COUNTY --- 2.2 WSW FREMONT ARPT [41.44, -96.57]**

06/27/08 15:23 CST	0	Hail (1.75 in)
06/27/08 15:23 CST	0	Source: Law Enforcement

Hail estimated up to golfball-size fell between Ames and Fremont.

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### **SAUNDERS COUNTY --- 3.6 SE MORSE BLUFF [41.39, -96.73], 4.5 NNW LESHARA [41.38, -96.48]**

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/27/08 15:24 CST		0	Thunderstorm Wind (EG 100 kt)
	06/27/08 15:34 CST	1	0	Source: NWS Storm Survey

Thunderstorm wind gusts were estimated by a NWS storm survey to have reached at least 70 mph, with embedded areas of 100 to 115 mph damage, in a 5 to 7 mile wide swath from west of Cedar Bluffs east and southeast to Highway 77 south of Fremont then through the Woodcliff area. The winds were accompanied by hail up to golf-ball size. The combination of wind and hail damaged crops west of Cedar Bluffs with trees and crops severely damaged from Cedar Bluffs to Woodcliff. A boyscout camp hosting about 1,000 people north of Cedar Bluffs was hit, seriously injuring one parent when a tree fell on him. Center pivots were also flipped from west of Cedar Bluffs east to the county line and some farm outbuilding damage was noted. A semi was flipped on Highway 77 a few miles south of Fremont. In the Woodcliff area the winds appeared to have been the strongest with several boats and boat lifts flipped and many homes sustained damage due to fallen trees. In addition to the tree and subsequent home damage by fallen trees, the wind whipped hail caused additional damage to siding, roofs and vehicles. Around 160 of the 440 homes in the Woodcliff area sustained damage. It was estimated that around 35,000 acres of crops were destroyed in Saunders county, with the plants virtually shredded to the ground in some areas.

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### DODGE COUNTY --- 0.9 SE FREMONT [41.44, -96.49]

06/27/08 15:25 CST	0	Hail (0.75 in)
06/27/08 15:25 CST	0	Source: Trained Spotter

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### SAUNDERS COUNTY --- 3.6 E CEDAR BLUFFS [41.40, -96.55]

06/27/08 15:25 CST	0	Hail (1.75 in)
06/27/08 15:25 CST	0	Source: NWS Employee

Hail up to golfball-size was driven by 70 mph winds causing house and garden damage in the area.

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### DODGE COUNTY --- 0.9 SE FREMONT [41.44, -96.49]

06/27/08 15:26 CST	0	Thunderstorm Wind (MG 56 kt)
06/27/08 15:26 CST	0	Source: AWOS

Thunderstorm wind gusts were measured at 64 mph by the Awos at the Fremont airport. The airport was on the northwest edge of the 5 to 7 mile wide damage swath that caused more substantial damage in Saunders and Douglas counties. However, the winds caused significant tree damage in Fremont.

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### DOUGLAS COUNTY --- 0.2 SSE MERCER [41.38, -96.43], 1.6 NNE SOUTH OMAHA [41.25, -95.93]

06/27/08 15:34 CST	53M	Thunderstorm Wind (EG 100 kt)
06/27/08 16:05 CST	0	Source: NWS Storm Survey

This is a continuation of the damage path from the bow echo that started in Dodge and Saunders county to the west. The damage path in Douglas county was about 5 to 7 miles wide and a NWS storm survey estimated winds of at least 70 mph and in some cases up to 100 to 115 mph. Wind equipment at the NWS office just outside of Valley measured 77 mph winds at 434 pm CDT just before the equipment failed. Meteorologists there estimated winds exceeded 80 mph at the office. The Awos at the Millard airport, just south of the severe damage swath, measured a wind gust of 59 mph at 450 pm.

The damage path crossed into the county from the Woodcliff area south of Fremont and spread toward and then just north of the Elkhorn area. In the Valley area trees were damaged or uprooted, a fireworks tent and its contents were destroyed, farm outbuildings were heavily damaged and center pivots were flipped. A house also lost its roof and crops were flattened or shredded to the ground. In western Douglas county several barns were destroyed or severely damage, including a few that caused severe injuries to livestock that necessitated euthanization. The damage swath then continued across west Omaha where 2 houses near 180th and Maple Streets sustained serious damage due to garage failures. Tree and power pole damage continued toward the 132nd and Maple Street intersection where more substantial damage was noted, including a damaged canopy at a gas station and a swath of broken light and power poles. That intersection was to remain closed then for the next 2 or 3 days while the poles were repaired or replaced and power restored. The damage path then continued through the Dundee area where more substantial tree damage was noted due to the concentration of larger and older trees. Finally the damage continued into downtown Omaha with damage noted to the outside of the Qwest Sports/Convention Center. Across the entire path, tree, home and other outside building or fence damage was observed or reported.

In all over 125,000 OPPD customers lost power, in some cases for a week or so. OPPD officials stated that it was one of the worst storms in its history, rivaling an early wet snowstorm in late October of 1997. Damage claims in the Omaha area alone was estimated to have reached \$40 million from residents and between \$2.6 million and \$3.7 million from city property. OPPD was estimated to have sustained \$10 million in damage, mostly in Douglas county.

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### DOUGLAS COUNTY --- 0.9 NE WATERLOO [41.29, -96.29]

06/27/08 15:40 CST	0	Thunderstorm Wind (EG 70 kt)
06/27/08 15:40 CST	0	Source: Public

A fireworks tent was blown over by thunderstorm wind gusts around 70 mph.

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### DOUGLAS COUNTY --- 2.6 SW BENNINGTON [41.34, -96.20]

06/27/08 15:45 CST	0	Hail (0.75 in)
06/27/08 15:45 CST	0	Source: COOP Observer

## Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>DOUGLAS COUNTY --- 0.3 ESE MERCER [41.38, -96.43], 1.1 ENE SOUTH OMAHA [41.24, -95.93]</b>				
	06/27/08 15:52 CST		0	Hail (1.00 in)
	06/27/08 16:02 CST		0	Source: Amateur Radio

Hail up to 1 inch in diameter fell in a 5 to 7 mile wide swath from far northwest Douglas county through the central and northern sections of the city. The hail was driven by winds in excess of 70 mph causing home and vehicle damage and virtually cutting crops and gardens down to the ground along the path of the most severe damage.

<b>DOUGLAS COUNTY --- 1.4 ENE GIBSON [41.26, -95.94], 1.7 W LANE [41.25, -96.21], 0.6 ESE BENNINGTON [41.37, -96.16], 2.2 S NORTH OMAHA [41.30, -95.96]</b>				
	06/27/08 16:10 CST		0	Flash Flood (due to Heavy Rain)
	06/27/08 17:10 CST		0	Source: Amateur Radio

Rainfall of an inch or so in about 15 minutes caused some flash flooding of streets and other low areas across parts of Omaha. The flooding was brief and aided by both the intensity of the rainfall plus the fact that large amounts of smaller hail and debris from the strong wind helped clog storm drains. The flooding was most pronounced in midtown Omaha where several cars were flooded near Saddle Creek and Dodge Streets and also near the Creighton campus.

A bow echo that developed northwest of Omaha produced a 3 to 7 mile wide swath of significant damage surrounded by a larger area of lesser damage from about 40 miles northwest of Omaha to 50 miles to the southeast. Wind speeds in the core of the damage path were measured at 77 mph at the NWS in Valley before the wind equipment failed. A private citizen reportedly measured 98 mph winds on their home weather equipment in far west Omaha. A storm survey done by the NWS estimated that the more significant damage was caused by straight-line winds which reached speeds of 100 to 115 mph in some areas.

The damage swath started in north central Saunders and south central Dodge counties and ended in southern Pottawattamie and northern Mills counties. Numerous trees were snapped or uprooted along the path of the significant damage along with snapped power and street light poles and scattered house and outbuilding damage. Corn and other crops in the path were shredded nearly to the ground.

Storm Data and Unusual Weather Phenomena - June 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
				

*A fallen tree crushes a garage in the Woodcliff area.*